

Manufacturers Record

Exponent America



\$6.50 per Year.
Single Copy, 20 Cents.

Baltimore, Md.
JULY 26, 1928

Every Federal Land Bank in the Country Reports Marked Improvement in Demand for Farm Lands.

An illuminating discussion of the situation as to the increasing demand for farm lands in all parts of the country is given in a symposium published in this issue from the officers of every Federal Land Bank in the country. Without exception, the presidents of these banks report a turn for the better in the situation and a gradual increase in the demand for farm lands. This applies not simply to one part of the country, but to the entire country. It indicates that the tide has turned and that the agricultural outlook is improving.

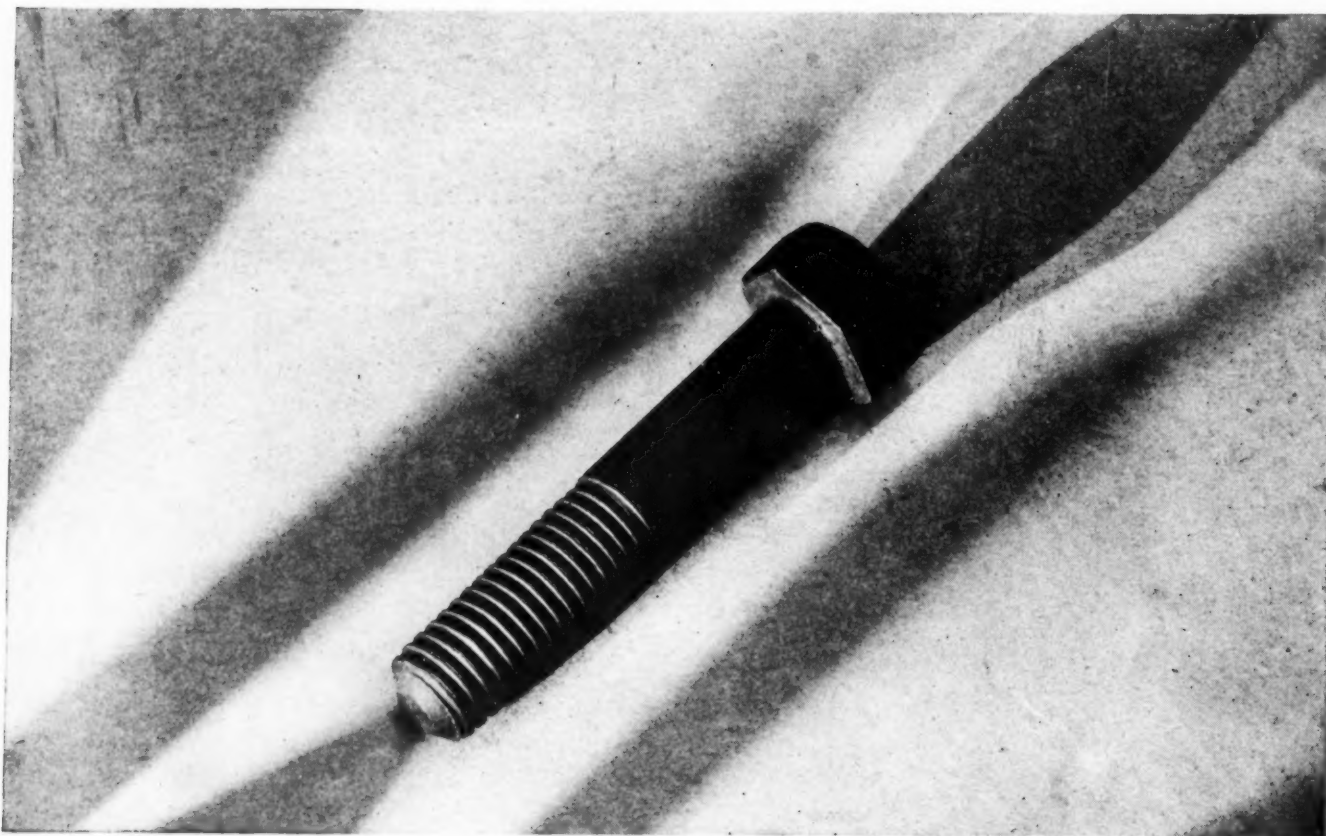
The condition is fairly well interpreted by a letter from President Vaiden of the Federal Land Bank of Baltimore, who says that his organization has made loans aggregating approximately \$81,000,000 and has found it necessary to take over only a very few farms, and these were in sections where the one-crop system prevailed. President Vaiden reports that the lowest point of land values was reached in 1926-27; since that time there has been a gradual change, and farmers are in a little better situation than they were. Under these conditions he finds that young men in rural districts are less interested than formerly in going to industrial centers, while a fair percentage of young men in industrial centers are considering with their families the advisability of returning to the farm.

The sale of farms by this bank began to make a turn for the better in August and September, 1927, and the number of sales for the two months compared favorably with the total number for the previous 12 months. Since that time there has been a continuous increase in the demand for farms and those who are purchasing have a larger amount of cash to make the initial payment on the land. A few farms have been sold for investment to business men who realize that agricultural lands are at a low ebb, and are now on the upgrade, and they hope in a few years to realize a profit on their investments. Closing his statement, President Vaiden says:

"All the records of this bank indicate that farming will be looked upon with more favor during the next five or ten years, and that the returns to the farmer for his labor will be quite favorable as compared to the average workman in other lines of activities."

Mr. Vaiden's views harmonize in the main with every letter received from the presidents of the other Federal Land Banks. The Houston Bank, for instance, reports only 48 foreclosures out of over 60,000 loans. These encouraging statements will help to hearten the farming interests of the entire country, for with increasing demand and rising values of farm lands a new spirit will be infused not only into agriculture, but into all other interests affected by agriculture.

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Manufacturers Record

RICHARD H. EDMONDS, Editor

PUBLISHED EVERY THURSDAY BY THE

MANUFACTURERS RECORD PUBLISHING CO.

Office: Manufacturers Record Building, corner Commerce and Water Streets, Baltimore, Maryland
Printing Plant, 8th Floor, Candler Building, Market Place and Lombard Street, Baltimore, Maryland

RICHARD H. EDMONDS, President; FRANK GOULD, First Vice-President; VICTOR H. POWER, Second Vice-President;
I. S. FIELD, Secretary; J. ROBERT GOULD, Treasurer

BRANCH OFFICES:

CHICAGO, 11 South La Salle Street

CINCINNATI, 333 Dixie Terminal Building

NEW YORK, 901 Singer Building

SUBSCRIPTION RATES:

\$6.50 a year (in advance); six months, \$3.50; three months, \$2 to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines. For Canada add postage \$2 a year. For other foreign countries add postage \$5.50 a year. Back numbers, if available and not over one month old, 20 cents each. From one month to six months old, 50 cents each; over six months old, \$1 each. In ordering change of address, give old as well as new address.

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Vol. XCIV No. 4 }
Weekly. }

BALTIMORE, JULY 26, 1928.

{ Sing'e Copies, 20 Cents.
\$6.50 a Year. }

"The South the Coming El Dorado of American Adventure."

"THE South is the coming El Dorado of American adventure. May the Almighty speed its onward progress."

So wrote Honorable Wm. D. Kelly, of Pennsylvania, then known as the Father of the House of Representatives by reason of his long tenure of office, over 40 years ago. Judge Kelly had just returned from a trip over much of the South with a view to studying its resources and possibilities. The sentence quoted was the closing statement of one of his letters to the MANUFACTURERS RECORD, and in connection therewith he wrote the well-known motto long carried by this paper: "The Development of the South Means the Enrichment of the Nation."

Judge Kelly was a broad national statesman in his viewpoint of the relation of the South to the welfare of the country. Strong, aggressive, Republican protectionist as he was, he visualized the vast resources of the South and what the utilization of these resources would mean not merely for the progress of this section, but for the entire country. If from that Other Land to which he has long since gone he could look down on the marvelous progress now under way in the South he would, indeed, realize that his prediction that the South was to be the El Dorado of American adventure and development, was being literally fulfilled—in a broad sweep in diversity, in number, and in the magnitude of the industries being established in the South, some by home capital and some by capital from other sections eager to invest in the South. He would, indeed, realize that his vision of the future of this section has been more than fulfilled. No language which he then used in his many articles on the South is quite equal to the reality of the present hour. Every day brings to this office new evidence of the Southward trend of industry, and the development by people of the South and with Southern capital of many enterprises, great and small.

The list of enterprises reported in this week's issue is too long to attempt to cover in detail. It takes more than 25 pages of this paper weekly to cover the reports of new industries, the enlargement of existing plants and the establishment of financial institutions. But just a few of the outstanding facts reported for the week, if carefully studied, will reveal something of the far-reaching diversity and magnitude of these new things.

Virginia, for instance, officially sends out word that \$200,000,000 is now being invested in construction work and in the establishment of new plants in that State.

Baltimore shows for the first six months of the year build-

ing permits with a value of over \$20,000,000, a considerable increase over the same period of 1927.

The University of Texas proposes to spend \$3,000,000 on the enlargement of its plant, and practically every other educational institution in the South finds it necessary to make extensions, in order to accommodate the ever increasing throngs of young men and young women crowding to the gates of the universities and colleges.

President Harahan, of the Chesapeake & Ohio Railroad, outlines a program of over \$21,000,000 for expenditures in Virginia and West Virginia by that road, on a new freight car repair shop, extension of locomotive repair shop and other improvements, including additional main line trackage, most of the money going into the building of new shops or extension of existing plants.

Here are a few of the many enterprises reported in this week's issue:

Officials of the Gulf States Paper Corporation, Tuscaloosa, Ala., successor to the E-Z Opener Bag Co., have awarded contract to the United Engineers & Constructors, Inc., Philadelphia, for a power plant at Holt, Ala., estimated to cost \$1,200,000. Work is under way at Tuscaloosa on a huge paper mill for the company, estimated to cost over \$6,000,000.

The Texas Pipe Line Co., Houston, has awarded contracts for a 33-mile pipe line from Dallas to Waxahachie, and for a 146-mile line from Corsicana to San Augustine.

J. S. Cosden, Inc., Fort Worth, Texas, has let contracts to the Foster-Wheeler Corporation, New York, and to the Graver Corporation, Chicago, for a 10,000-barrel refinery to be erected at Big Spring, Texas.

The Yount-Lee Oil Co., Beaumont, Tex., let contract to Reeves Bros., Birmingham, for new storage tanks at Splendleton, estimated to cost \$1,000,000.

Bids will be received by the Mississippi River Commission, Fourth District, at New Orleans, on August 6 for approximately 6,500,000 cubic yards of earth work in various levees.

New Orleans, La., recently let contracts for three incinerator plants to cost more than \$600,000.

The Virginia Central Railway has been chartered to construct a line from Orange to Fredericksburg, Va.

Construction under way or expected to begin in the immediate future in Virginia, involves the expenditure of more than \$200,000,000, according to an announcement by William Boncer, of the State Department of Labor. In addition, several large plants not included in the summary, are practically complete.

Setting forth that there are 33 major new industrial enterprises requiring a total investment of \$35,000,000 under con-

struction or definitely assured in 23 Alabama communities, Thomas W. Martin, president of the Alabama Power Co., announces that it is probably the greatest industrial development program ever undertaken in the State at one time. The plants, when complete will provide employment for approximately 17,500 workers and create new payrolls of over \$15,000,000 in the first year of operation.

Ground has been broken for a huge bag plant in connection with the erection of the \$5,000,000 paper plant for the Southern-International Paper Co., at Mobile, and it is reported that the unit, which will be operated by a subsidiary of the International Paper Corporation, will cost \$1,500,000. A similar bag plant is also to be built at Camden, Ark., where the Southern International Paper Co. recently completed a \$5,000,000 paper plant.

According to an announcement at Richmond last week, more than \$14,000,000 will be expended by the Virginia-Carolina Power Co. and the Roanoke River Power Co. for two hydro-electric projects on the Roanoke River.

A paving program to involve an expenditure of \$750,000, is proposed at Fort Myers, Fla.

An association has been organized at Wheeling, W. Va., to promote the erection of a \$1,800,000 free bridge.

During the past 18 months the Texas State Highway Department awarded contracts for 1553 miles of roads to cost \$21,340,000.

The Oklahoma State Highway Commission will open bids August 14 for road and bridge projects, estimated to cost \$1,500,000 to \$2,000,000.

The Fuller Construction Co., Memphis, has received contract for a bridge between Biloxi and Ocean Springs, Miss., estimated to cost over \$750,000.

The University of Texas, Austin, proposes to issue \$3,000,000 of bonds to finance an expansion program, and work has already started on plans for an \$800,000 chemistry building and a \$650,000 library addition.

Contracts will be let this month for the \$400,000 Memphis branch of the Federal Reserve Bank of St. Louis.

Rhodes-Haverty Co., Atlanta, is having plans prepared by Pringle & Smith, architects, for a \$650,000 office building.

Harrison County, West Virginia, will vote August 6 on \$750,000 bonds to finance erection of a court house.

The Oklahoma Hotel Building Company, Oklahoma City, was recently organized to erect a \$3,000,000 hotel and garage.

R. P. Hutcheson, Chicago, has awarded contract for a \$450,000 apartment building at St. Louis, Mo.

Work will start soon on an \$800,000 railway express building at St. Louis, to be erected by the Terminal Railroad Association, as the first unit of a \$3,000,000 improvement program planned by the Association.

De La Salle College for Christian Brothers has selected Milburn, Heister & Co., Washington, to prepare plans for a group of buildings to cost \$750,000.

Contracts will soon be let for \$1,000,000 high school at Montgomery, Ala.

The Potomac Freight Terminals Company, Washington, has announced plans for a \$600,000 improvement program.

A. J. Rife Construction Company, Dallas, has been awarded the contract for a \$750,000 medical arts and dental building in Oak Cliff, Texas.

A \$930,000 paving program is under way at Knoxville, Tenn. Street improvements under way at Richmond will cost \$500,000.

Orange County, Florida, recently let \$611,000 in road contracts.

The Sewerage and Water Board, New Orleans, plans to issue \$4,000,000 of a \$9,000,000 bond issue, voted in April, to provide adequate drainage facilities and extend relief to sections of the city affected by floods during heavy rains.

A DANGEROUS ATTITUDE OF SOME DEMOCRATIC MACHINES MAY REACT UPON THE PARTY.

THE question as to whether a vote in the primary by a Southern Democrat in any way whatsoever compels him in honor to vote for the nominee of the Democratic party in the presidential election is being widely discussed throughout the South.

In one sense it has only an academic interest because a very large proportion of Southern people do not vote in the primary and, therefore, are in no way whatever concerned with any decision as to the primary.

George E. Maddox, chairman of the State Democratic Executive Committee, of Atlanta, takes a broader view than the Democratic machines in some of the states in regard to this matter. He urges Democrats to vote for the presidential ticket, but at the same time he adds:

"Many persons claiming to be Democrats in state and local affairs, but Republicans in national affairs, have consistently voted in our primaries. * * * In actual practice, and without any prejudice of any kind, the rule has been interpreted to mean that the voter merely pledges himself to support the nominees in the primary for state and local offices, and was free to act in other matters as he desired, such as the presidential election. In view of the established practice and custom it is my view that a fair interpretation of the rule is that a participant in the coming state primary is pledged to support only the nominees in the primary for the state and local offices, and is free to act as he desires in other matters, such as the presidential election."

This gives to every Georgia Democrat the privilege, if he desires, to vote in the primary, and then to vote as he pleases in national matters. Any attempt by any Democratic organization in the South to gag and hog-tie men and make them bind themselves to vote contrary to their consciences would simply react on the Democratic party. It is altogether probable from present indications that many Democrats in the South will this year be absolutely independent in their voting in the presidential campaign and doubtless some of them will be so in the state elections.

Commenting on this whole situation, the Union Times, a Georgia Democratic paper, says:

"We have been a Democrat ever since we put off baby clothes, and that was a long time ago. We intend to remain a Democrat for the years of earthly pilgrimage yet ahead of us. But it must be said that the blatant, insolent whip-crashers who are lashing so severely those who threaten to refuse to vote for Governor Smith are going a bit too far. This abuse is going to drive a good many out of the Democratic ranks, we fear. You cannot use the big stick in politics now as safely as it could be done two decades ago. People are doing more thinking for themselves now than they did formerly. They are not half as easily led by would-be bosses as once they were led. Better go slow, fellows, in your threats to kick out the bolting Democrats. You may need them sometime in the future. Not this time, it is true, but another time—four, eight, twelve years from now. Stop calling people who refuse to swallow Governor Smith as a candidate morons and hypocrites and hill billies. You may drive out not a few, and you cannot spare them. It would not take a hundred thousand such voters to turn this State over to Republicanism, or some other equally unsavory thing, and you know this is true."

There is another way to look at the matter which is worth considering. Governor Smith certainly broke the contract of the Democratic convention. He proved himself, immediately after he received the nomination, a bolter. He accepted the nomination with a knowledge of the Prohibition plank—and the knowledge of his campaign committee—for he knew if he had refused to permit that plank to be put in the platform there would have been such a revolt at Houston that he would not have been nominated. In accepting that plank he made a contract to uphold the platform. Instantly, however, upon his nomination being effected, he broke the contract and kicked that plank overboard, and then he made the chairman

of his campaign committee, John J. Raskob, who has stated that the reason he accepted the chairmanship of the Democratic national campaign was to help "relieve the country of the damnable affliction of Prohibition," thus doubly breaking away from the platform upon which he was nominated.

This releases every Democrat from any responsibility to stand by his vote in the primary, and any attempt of the Democratic machines to read out of the party those who bolt this nomination will react upon the party and bring about such a revolt of its domination as seriously to endanger the future of that party in the South. Men may sometimes be cajoled but if they have any backbone they cannot be bulldozed. They know full well that Governor Smith has violated the contract made between him and the platform adopted at Houston and that he has broken the Prohibition pledge made there, and they are under no obligation whatever to feel themselves bound by any pledge made in the primary.

It is a free fight for all and woe be unto the political machine in any State, North or South, which undertakes to hold men to strict party voting, when the country is beginning to realize that independence in voting can alone save us from many disasters.

MR. "DAMNABLE-AFFLICTION-OF-PROHIBITION" RASKOB DENOUNCED BY JOSEPHUS DANIELS.

HON. JOSEPHUS DANIELS, editor of the News and Observer, Raleigh, N. C., an ardent supporter of Governor Smith because he is the nominee of the Democratic party, though himself a vigorous prohibitionist, says:

"The selection of John J. Raskob as national Democratic chairman is worse than a blunder. It is a positive blow at Prohibition Democrats. They did not like Governor Smith's Houston message, but that is small compared with the wet attitude of Chairman Raskob. Not long ago, as vice-president of the Association Against Prohibition, Mr. Raskob committed himself to the policy embodied in the resolution offered a short time ago by Pierre du Pont, chairman of the executive committee, and adopted by the association."

When Mr. Daniels saw the statement of Raskob that he had accepted the position of chairman in order to help destroy "the damnable affliction of Prohibition," his statement that Raskob's appointment was "worse than a blunder" was probably emphasized a hundred times.

In the same issue of the News and Observer, the New York World is taken severely to task, and justly so, for its contemptuous reference to the people of the whole South who believe in Prohibition. It also very properly warns its readers that it will be well for the Democratic managers to understand that North Carolina cannot be carried for Smith by denouncing its people as bigots who need anti-prohibitionists to enlighten them. They should know that, if the issue is wet or dry, that State will vote dry; and it adds:

"If, as the World intimates, there is to be an appeal to repudiate Prohibition and Prohibition leaders and set up a Smith and anti-prohibition organization, North Carolina's answer will be: It cannot be done. This State, as Jefferson said, is 'fixed and forward.' An attempt was made by Smith men, with a four-year-old organization and money from New York, to elect delegates to vote for Smith's nomination. What happened? Smith carried only one Congressional district in the State and he would not have carried that if the people had known he was going to send his telegram to Houston or elect the vice-president of the Association Against Prohibition to manage the campaign.

"North Carolina cannot be driven. It is tolerant, Prohibition, Democratic. It will not be stampeded from any of these positions!"

So far, good for Mr. Daniels, but in justice to himself he cannot stop there.

ADVERTISERS PROTEST AGAINST GOVERNMENT COMPETITION.

OF NUMEROUS interesting addresses at the Detroit convention of the International Advertising Association, probably none was of more importance than a protest against "destructive Government competition" with private business, voiced by Philip H. Gadsden, vice-president of the United Gas Improvement Company, Philadelphia, Pa. First saying that "the menace of Government competition" is a tremendous handicap to private enterprise and that advertising has been "the chief reliance of business successfully to meet competition," Mr. Gadsden added:

"We have been taught to believe that our Government was established to insure a free field and a fair contest for the interplay of initiative and enterprise. Signs are not wanting, however, that there is developing in the United States on the part of certain groups a demand that we abandon this principle and embark on a policy which would sap and undermine that initiative and enterprise which is characteristic of the United States as a people.

"The main objection to such a policy on the part of the Federal Government is not that government operations are notoriously inefficient, that they may occasion financial loss to the industry faced with such unfair competition, but that it destroys the basic principle upon which the whole of American business has been built.

"What a challenge this presents to the advertising genius of America to protect and preserve from destructive competition by the Government this great industrial civilization which it has done so much to create.

"Business with advertising and publicity as its light-giving beacons must take the leadership in this new competition—this clash of utterly irreconcilable ideas."

The issue between the principles, respectively, of private ownership and Government ownership, Mr. Gadsden said, may be summarized: Shall the Government confine its activities to the political field and leave the field of business to the initiative and enterprise of its citizens? and answered: "If the Government enters into any industry, private capital, proverbially timid, will retire from it."

Does Mr. Gadsden go far enough? It is not "timidity"—certainly, not timidity alone—which forces private business to retire from competition with the Government in business. It is the knowledge, born of experience, that the Government does not practice business methods in its extra-governmental enterprises. First, the Government is not looking for even reasonable profit, as the private business man must do, in the very nature of things. Second, the Government does not hesitate to conduct its extra-governmental business at an actual, appreciable, money loss. Incidentally, such loss is covered and kept secret from the people by a jugglery in bookkeeping methods which frequently has been exposed by leading industrial and business men in many branches of private business. It is more than mere timidity—fear of possibilities—which causes private capital to retire. It is sound, business common sense. It is self-preservation. It is a variety of the plain common sense which restrains a man from entrusting his fingers to the mercies of a buzzsaw.

Further, as Mr. Gadsden points out, "the Government neither pays taxes nor advertises; mass production by the Government means higher, and not lower, unit costs, frozen wage scales and stationary, instead of advancing, standards of living."

Private industry and business of every nature, in very self-defense, should protest against Government competition, already running into even such remote fields as the optician's business. Private industry and business of every nature should do more than protest—it should institute and wage an unrelenting campaign to compel the retirement of the Government from extra-governmental business enterprises. Mr. Gadsden and the National Advertising Association are by no means the first individual and organization

to enter emphatic protest against "Government in business and industry"—they probably are not the thousandth individual and organization so to protest. The time has come to translate protest into positive action, and the National Advertising Association can make itself of tremendous force in such a national campaign.

GEORGIA MAKES PIONEER SHIPMENT OF PEACHES TO ENGLAND.

A SHIPMENT of 4000 crates of Georgia peaches to England, which put to sea from Savannah in the steamship Daytonian on Sunday, July 15, may well prove the beginning of an export business that will provide an important outlet for Georgia's overlarge peach crop. The peaches were loaded at the terminals of the Central of Georgia Railway, and were placed in the refrigerated compartment of the vessel. The greatest care was exercised in handling the fruit; and officers of the vessel are reported as confident that it will be delivered in Liverpool in as good condition as when received aboard ship.

The Central of Georgia Railway has long been very active in co-operating with the peach growers along its lines in efforts to improve their crops, to grade and standardize for better marketing, and to find larger outlets for their fruit. It has vigorously encouraged them in their preliminary, experimental shipments to the British market, and will deserve all the benefit it receives from any increase of prosperity of the peach-growing section it serves.

A NEW EPOCH FOR THE SOUTH.

JOHN A. STEELE, of Tampa, Fla., in the course of a letter to the MANUFACTURERS RECORD, urging the importance of developing a protective tariff sentiment throughout the South, writes:

"The sooner the Southern people realize the truth of this economic issue, the quicker will come the great industrial and agricultural development that is due us. From a slave-owning agricultural civilization, the South is fast growing into a highly organized industrial community, and the economic principles applicable to the former state have become obsolete and ineffective. In order to maintain and expand its increasing ascendancy in the boundless field of industry, the South must have protection and must recognize that a new epoch in the economic history of the South is developing in this growing demand for a protective tariff on agricultural and on manufactured products alike."

The position taken by Mr. Steele is absolutely correct. The South has entered a new epoch, one in which a protective tariff is far more essential to this section than to any other part of the United States.

REPRESENTING THE BUSINESS INTERESTS OF THE SOUTH.

MARK SULLIVAN, one of the best-known newspaper correspondents of America, writing from Washington to the New York Herald-Tribune, says:

"It is quite clear whenever one leaves the area of formal Democratic leadership in the South, and enters the area of more spontaneous expressions of sentiment, one finds a strong disposition to vote against Smith. The Manufacturers Record, for example, is in a sense the official organ of Southern business in the whole area from Maryland to Texas. It is to the South what 'The Journal of Commerce' and 'The Wall Street Journal' combined are to the business circles of New York."

TO GATHER A GREAT LIBRARY OF SOUTHERN HISTORY.

AN undertaking of great interest and importance to the South, and, indeed, to the whole country, is that recently announced by the University of North Carolina. It is the proposed establishment in connection with the library of the university of a great and inclusive collection of Southern historical material; human records of every variety which relate to the South. In the words of Professor J. G. de Rouillac Hamilton, in making the announcement:

"The Southern collection as planned will include, so far as is possible today, every book or pamphlet of any kind on any subject written in the South or by a Southerner, every one which deals in any way with the Southern States, their people or their problems. It will contain State publications of every sort; general historical works; monographs; biographies; town, county and other local histories; genealogical works; essays; poetry; fiction; sermons; files of periodicals; statistics; maps; broadsides; the catalogues, minutes, proceedings, and reports of educational bodies and institutions, fraternal orders, commercial, professional, philanthropic, religious, social, patriotic and scientific organizations; as complete files of Southern newspapers as can be secured, as well as files of papers from other sections which carry Southern material.

"Nor will it be confined to printed material. It will include great masses of manuscript material, such as diaries, unpublished reminiscences or other autobiographical writings, letters of every description, plantation records and the ledgers and other records of industrial and business undertakings. It will contain not only the papers and letters of prominent individuals and families, but all varieties of available material which reveal the life and thought of the masses of the people.

"The purpose and scope of the plan is best indicated by saying that it is planned to gather anything and everything which may in any way throw light upon the past and present of the States of Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Arkansas, Missouri, Kentucky and Tennessee."

Work in this direction has been carried on for 20 years and there is already in the university library a splendid nucleus about which to build the unique collection planned. The permanent and spacious fireproof library building, now under construction, assures complete protection of the material to be stored there, as well as adequate facilities for investigators who will be freely allowed its use. Again quoting from the announcement:

"Such a gathering together of material will be unique, for nowhere else in the United States has there been projected anything of the kind so inclusive in content for so large an area and population, bound together and differentiated from other sections by certain unifying, economic, social and political interests and institutions, yet having many diversities among the several States included. There is already a wide and growing interest in Southern history, past and present, and this great library will draw to it investigators from everywhere. It will enable the investigator to study any phase of Southern life in which he is interested. In economic, social, religious, scientific, and political fields will be gathered a mass of hitherto unknown facts, making possible new and more accurate conclusions in relation to the past. In this period in which the South is so rapidly shifting its emphasis from agriculture to industry, and is attracting to itself an increasing amount of the nation's capital, it is of supreme importance for it to remember the past and to study it and save the records of today, in order that the South in the immediate future may wisely chart its course."

In spite of much distressing destruction, there are still to be found in the South, unused and usually uncared for, vast quantities of the sort of material the university is seeking. This project gives owners of such material a splendid opportunity to secure its permanent preservation and at the same time to co-operate in one of the most hopeful and worthy undertakings now under way in the country.

WILKES COUNTY, GEORGIA, ISSUES A NEW DECLARATION OF INDEPENDENCE.

C. B. VAUGHAN, editor of the News-Reporter, Washington, Ga., in the course of a letter to the MANUFACTURERS RECORD writes:

"Please permit me to congratulate you on your most excellent editorial: 'A New Declaration of Independence Needed.' Would to God we had more men of your calibre who dared to stand true to the South and to America!

"Quite coincident with your editorial is the petition we circulated here last week asserting our 'independence.' As you probably know, the first Constitutional convention was held in Wilkes county, Georgia, and Washington is the first town in America to be named for George Washington. Wilkes county is the home of rock-ribbed Democracy and we want to be the first of its kind to assert the 'new independence.'

"The petition, copy of which is enclosed, has many hundreds of names subscribed to it and before a short time we hope to be able to publish them in their entirety."

The petition to which Mr. Vaughan refers is headed "The Spirit of 1776 Made the Nation—The Renewal of This Spirit in 1928 Will Save It." Then above the place for the signatures is the following:

"The Opening Paragraph of the Declaration of Independence Says:

"When in the course of human events it becomes necessary for one people to dissolve the political bands which have connected them with another, and to assume among the powers of the earth the separate and equal station to which the laws of nature and nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes which impel them to separation."

"Just as our forefathers in 1776 removed the shackles that bound them to a tyrannical nation, so do the American Independents stand firmly for Liberty, Justice, Right and Betterment."

"The objects of the New American Independent Party are:

"To perpetuate the memory and spirit of the men and women who achieved American Independence."

"To promote * * * institutions for the general diffusion of knowledge."

"To cherish, maintain and extend the institutions of American freedom, to foster true patriotism and love of country, and to aid in securing for mankind all the blessings of liberty."

"The new American Independent party recognizes the Constitution of the United States as 'the greatest safeguard of human liberty ever given to mankind.' We pledge ourselves to defend and uphold the Constitution 'by rendering loyalty to its sentiments, obedience to its provisions and by holding its principles sacred and inviolable.'

"Our heritage from our Revolutionary forefathers 'summons us to reverence God; to uphold the Constitution of the United States; to honor the flag; to defend the institutions of government; to venerate our national patriots; to respect traditions of nationalism; to perfect our citizenship; to observe law and order.'

"For this purpose, we, the undersigned voters, express our unwillingness to vote for Governor Alfred Emanuel Smith, the Democratic presidential nominee, believing that the principles and platform upon which he seeks the highest office in the gift of America are contrary to the spirit of the men and women who fought to achieve our American Independence."

This is one indication of the spirit abroad throughout the South, a spirit of independence from domination which has mentally enslaved many people who are now determined to teach the Democratic machines of the South that they can no longer be driven blindly to the voting booth.

Out of this tremendous upheaval, and upheaval it surely is, will come a spirit of broad thinking, of action with backbone to it, that will be nation-wide in its effect.

Former Senator Owen On High Rates by Federal Reserve Banks.

Washington, D. C., July 16.

Editor Manufacturers Record:

Replying to your request for my views on advancing the Reserve Board rate of interest, I do not approve raising the rates as an ordinary means of controlling speculation, or inflation. It is not a proper remedy in my opinion:

First, because it does not restrain those who speculate, but does stop the purchase of securities by the public and by this indirect and injurious method interferes with marketing worthy securities.

Second, the speculator either on the bull or bear market is not really controlled by the interest rate, although influenced by it under some conditions. Raising the rate penalizes legitimate business.

At a time when crop-moving demands an increasing supply of money, this money should be furnished and if necessary it should be furnished at a low rate. And if necessary, credit should be withdrawn from those who are speculating.

The control of speculating should be handled individually by denying credit by the banks to those who abuse it, not by increasing the cost of credit to those who do not abuse it.

ROBERT L. OWEN.

Marketing American Cotton in England.

Efforts by European countries to increase cotton growing in countries outside the United States may have important consequences in the long run, but for the present and immediate future it seems probable if not certain that the proportion of the American crop taken by European countries will depend on the economic recovery of the countries themselves and their customers rather than on the production from new areas, according to Dr. Alonzo B. Cox, economist of the Department of Agriculture.

From about 1784 to the time of the World War in 1914, Doctor Cox says, Europe took considerably more than half of the American production. From 1915 to 1924, there was a decided falling off in the amount taken, due largely to effects of the World War. In the season of 1924-25, Europe again took more than half the cotton crop of the United States, or about 7,000,000 bales.

At present 60 per cent of all the cotton-spinning spindles in the world are found in Europe, Dr. Cox adds, and "England far outranks either the United States or the Continent of Europe in the number of such spindles, although fewer pounds of cotton are consumed than in the United States or on the Continent. Greater spindleage is required for the higher counts of yarn than for the lower counts." More than 80 per cent of the American crop consumed in England goes through Liverpool.

The results of the survey have just been published by the department in Technical Bulletin 69-T, "Marketing American Cotton in England," copies of which may be obtained from the Department of Agriculture, Washington.

Timely Advice to Cotton Farmers.

The National Bank of South Carolina, Sumter, S. C., is sending out a timely warning to its farm customers. Reminding them that financial and credit standing is based on ability to pay, and the farmer's ability to pay is in proportion to his ability to produce a money crop, President C. G. Rowland asserts that cotton cannot be produced under boll weevil conditions without poisoning the boll weevil. His bank urges the farmers to do this and it offers suggestions as to the most intelligent way to do it. Kill the weevil and make a cotton crop.

Federal Land Banks Report Gradual Increasing Demand Throughout Country for Farm Lands.

A recent letter from the president of a Federal Land Bank, indicating a better condition for the sale of farm land that had been taken under mortgage, prompted an inquiry by the *MANUFACTURERS RECORD* to all the Federal Land Banks in the country as to the actual conditions prevailing in their districts. In response to this inquiry we have reports from every one of these banks, and without exception they indicate a change in the agricultural situation and a tendency toward an improvement in the demand for farm lands.

The president of the Federal Land Bank of Columbia, S. C., reports that since the latter part of October, 1927, the sales of that bank have been better than for any like period since they first began to acquire farms.

The Houston Federal Land Bank reports that during its entire operations there have been only 48 foreclosures out of over 60,000 loans, and that over half of these properties which were taken upon foreclosure have been resold. It reports that the low tide in agricultural depression seems to have passed.

The Federal Land Bank of St. Paul, Minn., states that there is a large amount of farm land in the hands of investors who are not actual farmers, and that the offering of this land for sale under existing agricultural conditions has flooded the market, but judging from the number of inquiries received during the past few months there seems to be a revival of interest in the ownership of farm land.

The Federal Land Bank of St. Louis reports that in sections where crops have been good for the last two or three years the situation is very satisfactory, and where farms have been acquired by the bank a fairly ready sale has been obtained. The sales for 1927 were much ahead of 1926; and sales thus far for 1928 have been excellent. Less than three-fourths of one per cent of its total loans are in real estate which has been acquired under foreclosure, against which a 100 per cent reserve is carried.

The Federal Land Bank of Wichita reports a more active demand at somewhat higher prices for good land, and that farm lands are selling on a very attractive basis for any one who cares to invest in farms. This, the bank reports, is especially true for young men who wish to go into agriculture.

The Federal Land Bank of Omaha reports that lands are selling throughout that district more readily than last year, buyers are more plentiful and prices somewhat higher, with favorable crop conditions.

The president of the Federal Land Bank of Baltimore reports that his organization has made loans aggregating approximately \$81,000,000, and has found it necessary to take over only a very few farms, and these were in sections where the one crop system prevailed. All the records of this bank it is said indicate that farming will be looked upon with more favor during the next five or ten years, and that the returns to the farmer for his labor will be quite favorable as compared with that of workmen in other lines of activity. A tendency of young men to go back from industrial interests to the farms is reported.

The Federal Land Bank of Spokane reports sales of land more frequent than a year ago. In the eleven years of its history the bank has acquired approximately 2900 farms, and during the last three years has sold 1100 of them. The

present situation is reported as much like the years following the panic of 1894, and the farm outlook in the four Northwestern States is reported as generally promising.

This survey of the situation coming from every part of the country and converging into this office, without any one bank knowing what the other banks are reporting, throws a great light upon the present farm situation. It indicates an upward trend of farm life and in the value of farm lands. Nothing in the present farm situation is half so bad as were the terrific conditions existing from 1892 to 1896 and 1897. During much of that period the depression in agriculture was far and away greater than it is at present. During one year wheat sold on the average for the entire country at 49 cents a bushel. Corn sold in the West at 15 cents a bushel, and was burned as fuel in place of coal or wood in many parts of the corn region. Cotton sold for much of the time at from 4 cents to 5 cents a pound, and in some parts of the South at even lower figures.

Those were times which really "tried the souls" of the farmers of the country. There were many serious discussions during that period as to whether agriculture could ever again be prosperous. It was to this condition that the demand for free silver in the Bryan campaign was largely due. There had been other periods in the history of the country during the last 100 years when similar conditions existed. In the early forties when the seed was valueless, cotton sold at an average for an entire year in New York at a little over 5 cents per pound, and for some years ranged between that figure and 7 cents and 8 cents per pound.

In studying the agricultural situation it is worth while to consider the depression in former periods and remember that as agriculture has had its times of terrific depression, so have the industrial interests, for there have been many periods in which industry languished to an extent fully comparable to the depression in agriculture.

The reports from the Federal Land Banks, which we are publishing in full in order that they may be the more carefully studied, are hopeful signs that the tide has turned and that agriculture is on the upgrade. They are as follows:

Farm Outlook in Northwest Promising—Farm Land Sales More Frequent Than Year Ago.

E. M. Ehrhardt, President, Federal Farm Land Bank of Spokane, Wash.:

"Land sales in the Twelfth Federal Land Bank District are more frequent than a year ago. Sales for the first six months are approximately \$1,000,000, which is more than the same period last year. Some inquiries have been received from the East and the Middle West but our sales mainly are to people in the neighborhood who know the worth of the farms. Sale prices are based on the productive value of the land. We expect increased sales following harvest, and with conditions generally good anticipate fair prices. In 11 years the bank has acquired approximately 2900 farms and has sold 1100 mostly in the last three years. The bank has loaned to more than 39,000 farmers. I believe the present a favorable time to buy land provided it is priced so income will carry it.

"The present situation is much like the years following the panic of 1894. Those who purchased farms during the period of agricultural recovery at recovering prices generally made successful investments and profited by their foresight. I believe farmers may duplicate such action now by buying land with a relatively cheap dollar and repaying with one which is earned more easily. The farm outlook in the four Northwestern States is generally promising."

Only 48 Foreclosures Out of Over 60,000 Loans— Thinks Low Tide of Agricultural Depres- sion Has Passed.

R. Douglas Johnson, Vice-President and Treasurer, Federal Land Bank, Houston:

"Our foreclosures are no criterion to the demand for land in Texas, which comprises this district. Fortunately the Houston Federal Land Bank has had only 48 foreclosures out of over 60,000 loans made since its organization; these were confined to about six out of 254 counties in Texas and over half of them were sold. Also there have been very few foreclosures by national farm loan associations in this district. Outside of a few sections where demand has been fair to good there has been extremely small demand for agricultural land in this district since 1920. We require reports of land sold on which the bank holds mortgage. These reports show the following percentage of sales or transfers in proportion to our outstanding loans:

"One and sixty-nine hundredths per cent in 1922; two and forty-two hundredths per cent in 1923; three per cent in 1924; three and twenty-one hundredths per cent in 1925; two and fifty-eight hundredths per cent in 1926; two and eighty-five hundredths per cent in 1927. However, we are glad to report a slightly improved demand for land since the first of the year and feel that the low tide of agricultural depression has passed."

Lands Selling More Readily Than Last Year and Good Demand Expected This Fall.

D. P. Hogan, President, The Federal Land Bank of Omaha, Neb.:

"Crops throughout our district were very good last year except that eastern Iowa had too much rain and their crops were poor. Prices of agricultural products grown in this territory on the whole are very good. Hogs were somewhat low during the winter, but are very satisfactory at present. Cattle are the highest they have been for many years, in fact higher than I have ever known them except during and immediately following the World War. Wheat, corn and oats are selling at satisfactory prices. Dairy and poultry products are also bringing good prices.

"Crops generally throughout our district, including Iowa, Nebraska, South Dakota and Wyoming, are looking very good at the present time, except that spring wheat in South Dakota will be a light crop, owing to the dry spring. Corn was planted in good shape, is a good stand, is generally clean and fair size for this time of the year.

"Lands are selling throughout our district more readily than last year. Buyers are more plentiful and prices somewhat higher with favorable crop conditions and, if prices stay as good as they are now, we expect a good market for farm lands this fall."

Farm Sales in 1928 Are Excellent.

H. Paul Bestor, President, The Federal Land Bank of St. Louis:

"In that portion of our territory where the crops have been good for the last two or three years, the situation is very satisfactory; and where farms have been acquired by the bank, a fairly ready sale for them is obtained.

"In some of our territory, the weather conditions have been such during the last two years that crops have been poor and conditions not very satisfactory. For instance, the wheat crop in most of Missouri and Illinois this year has been a failure, and in various sections of the district the heavy rainfall and floods have operated against a normal development in agricultural conditions.

"Our real estate sales for 1927 were very much ahead of 1926, and sales for the early part of 1928 were excellent. Where unfavorable weather and crop conditions have existed for the last year or two, it is not to be expected that the situation would improve materially. Where normal conditions have existed, however, there is no question that the market for farm land has shown some improvement.

"The Federal Land Bank of St. Louis has a little less than three-fourths of one per cent of its total loans in real estate, which has been acquired under foreclosure, against which a 100 per cent reserve is carried."

Increasing Sales and All Sales Made to Farmers.

Howard C. Arnold, President, The Federal Land Bank of Columbia, S. C.:

"The period during which this bank may expect to sell the most farms is from September to April, and since the latter part of August, 1927, our sales have been better than for any like period since we first began to acquire farms. Comparatively speaking, farm lands in this territory are cheap and a buy and practically all our sales are made to farmers. We do not consider a sale as such until and unless a rather substantial cash payment is made."

Sees Revival of Interest in Purchase of Farm Lands.

F. H. Klawon, President and Director, The Federal Land Bank of St. Paul, Minn.:

"At the present time there is a great deal of farm land in the hands of investors who are not actual farmers. With the general unfavorable earning situation that has existed in agriculture for the past eight years, practically all of this land is being offered for sale. The offering of such a vast acreage of land under existing agricultural conditions has, as you are fully aware, flooded the market, and a comparatively small portion of it is being sold.

"Judging from the number of inquiries we have received during the past few months, there seems to be a revival of interest in the ownership of farm land. The majority of the sales have been to farmers living in the immediate vicinity of the land transferred.

"The earnings of farmers, generally speaking, will have to be materially enhanced before we may expect any normal exchange of farm lands."

Situation Is On the Gain.

Edward H. Thomson, President, The Federal Land Bank of Springfield, Mass.:

"As early as last year the market for farm lands began picking up perceptibly in New England. That condition has continued and today there is a moderate demand for good farms in nearly all of New England. A possible exception might be a small area in central and southern Maine, but that is due to a local situation rather than any general tendency.

"The severe flood in Vermont and northern New Hampshire caused a slowing up in that territory but I believe that condition to be temporary.

"There was also a good demand for farm lands in New Jersey last year. That condition has eased up a little this past year. Just why I am unable to say.

"In New York State, however, particularly in several important areas conditions are not so bright. The section I refer to is that which lies west of Syracuse, extending through to Buffalo and particularly the district in the neighborhood of Rochester. This area is one which we have always considered especially well favored with fertile soils, excellent markets, a long growing season, and in fact, one of the best farming districts in the East. I believe I am safe in saying that farm prices in some parts of that particular region are as low as, or lower than, they were in 1913-1914.

"In the time of depression there is no true measure as to what a farm is really worth. When the farmer's morale and confidence are more or less weak the price of farm land is apt to go very much below its true worth. Even in this area, however, we feel that the situation is picking up a little; the morale of the farmer is stronger and there is an increased demand for land, although the buyers have little or no money to put into the business. In my opinion there never was a time when a young man who has the necessary qualifications and capital could buy a splendid farm property on more favorable terms than he can now.

"One difficulty, particularly in the New England States, is the high cost of improvement. New buildings, or even the upkeep and repairs on the buildings, are an expensive matter. This is especially serious because of the important place that the buildings occupy on the average farm in the New England States.

"On the whole, speaking only for this Land Bank district, comprising eight States, I think the situation is on the gain. This is true of New England and much of New York State."

Steady Advance in the Farm Land Situation and Better Outlook for Agriculture.

Vulosko Vaiden, President, The Federal Land Bank of Baltimore:

"During the war period, when farm products were high and hundreds of people had benefited materially by the production of crops, and furthermore when thousands of our young men had become accustomed to outdoor life, land values became exceedingly high. In about 1920-21 they reached the top. Following this time, the prices of farm crops became less, and wages in the city became higher, and naturally many farmers ceased to grow crops in order to secure work in the cities and finally many of them left their farms. The sentiment of rural communities was to find work in the cities and cease the labors of farm work. A man who had possibilities of securing work in the industrial centers would not think of investing one penny in farm land.

"This continued until probably the very lowest point of land values was reached, about 1926-27. Since that time there has been a gradual change. Farmers are in a little better situation than they were, and the wage-earners of the city are somewhat concerned about the outlook for continuous work. Naturally, young men in rural districts are now less interested in going to industrial centers, and a considerable percentage of those young men who did go to industrial centers are wisely considering with their families the advisability of returning to the farm.

"This changed situation began to be in evidence in this district nearly a year ago. The Federal Land Bank of Baltimore, having made loans aggregating approximately \$81,000,000, has found it necessary to take over but very few farms. The majority of those we secured because of failure of the owner to keep up his payments are located in one or two sections where one-crop farming is the general practice. The farmers in these two sections, finding it difficult to compete with the lower prices, in many cases abandoned their farms. However, beginning last year, the bank began to receive inquiries concerning these lands, and the sale of farms by this bank during August and September, 1927, compared quite favorably with the total sold the previous twelve months. Since that time there has been a continuous increase in the demand for farms, and, furthermore, those who are purchasing have a larger amount of cash to make the initial payment on the land.

"A few farms have been sold for investment to business men, who realize that agricultural land values are at low ebb, and are now on the up-grade, and in a few years they hope to realize a material profit on their investments.

"If there has been a time within the last generation when it was advisable or profitable for a young man to buy a farm for a home, it certainly has been within the last year or two. All the records of this bank indicate that farming will be looked upon with more favor during the next five or ten years, and that the returns to the farmer for his labor will be quite favorable, as compared to the average workman in other lines of activities."

Flood Control Law Improves Situation—Diversification of Crops Essential to Farm Prosperity.

T. F. Davis, President, the Federal Land Bank of New Orleans:

"In common with all land mortgage organizations, we acquire lands from time to time under foreclosure proceedings, which lands it is naturally our policy to dispose of as soon as possible. I am glad to say that the amount of lands that we hold now is not at all disconcerting, and we are having very fair success in the sale of them.

"However, while the people in this section are making wonderful strides towards diversification, still our moneyed crops, generally speaking, are yet confined mainly to cotton, sugar and rice, which crops are harvested in the winter; and, therefore, in the summer people have no 'loose change' lying around, and are not in position to buy lands. However, we are even now making some nice sales, and are 'laying the lines' for good sales this fall, which we are confident will materialize if the crops turn out fairly well.

"I may say that the demand for lands in our district has been somewhat better lately, especially by reason of the passage of the Flood Control bill, in the alluvial lands along the Mississippi River in Mississippi and Louisiana. Also, much more interest has been shown this year in sugar lands,

in view of the successful propagation of the new varieties of sugar cane; and there is good reason to expect a fine revival of that industry in the next year or so.

"I may add that the bad conditions among the farmers, and the consequent unsalability of farm lands, are troubles that can be corrected very largely by the farmer himself. If he will diversify properly and live at home in every way that he can—that is, raise his own feed, have a garden, orchard, poultry, milk cows, etc.—then, he will make more money, become more prosperous and, necessarily, farming will become more attractive and farm lands more valuable. So long as a farmer has to buy everything that he uses on his place, I am afraid that he will never be prosperous."

Attractive for Young Men.

James B. Davis, President, The Federal Land Bank of Louisville, Ky.:

"In my opinion there are slightly more inquiries for farm lands at the present time than there have been for the last year or two. While this stimulation is not general, yet it is somewhat better. I cannot classify it as entirely satisfactory, but I rather think it is an indication of continued improvement in farm sales.

"Farm lands, undoubtedly, are selling, at the present time, on a very attractive basis and for any one who would care to invest in farms there has never been a more attractive time than the present. This is especially true for young men who wish to go into agriculture. Such investments will require less invested capital in the land itself than at any time for many years and I believe some of them are beginning to realize this very important phase of farming."

More Active Demand for Farms at Higher Prices.

John Fields, Vice-President, The Federal Land Bank of Wichita, Kan.:

"I enclose copy of our annual report for the year ended December 31, 1927.

"There has been no noticeable change in the situation during the first six months of this year except that in localities which have exceptionally good crops of wheat, there is more active demand at somewhat higher prices for good land. Prices of farm land appear to have touched bottom in the Ninth Federal Land Bank district and there is an evident tendency toward investment in lands. We do not anticipate marked activity during the coming six months, though we expect to continue selling farms more rapidly than we acquire them through foreclosure."

\$900,000 Power Plant for Paper Mill.

The Gulf States Paper Corporation, Tuscaloosa, Ala., successor to the E Z Opener Bag Company, New Orleans, has awarded contract to the United Engineers and Constructors, Inc., Philadelphia, Pa., for a power plant at Holt, near Tuscaloosa, where the corporation is building a big paper mill and bag plant at a cost of \$6,500,000. The United Engineers and Constructors, Inc., advise that the power plant will consist of three 1000-horsepower boilers, with pulverized coal burning equipment, and a 7500-kilowatt turbo-generator. C. A. D. Bayley & Company, Inc., of New Orleans, were recently awarded general contract for the mill buildings which will be equipped for the production of 90,000,000 pounds of finished paper and bags annually. The plant will have an annual consumption of from 60,000 to 90,000 tons of coal and 90,000 cords of wood. H. S. Taylor of Dayton, Ohio, is the consulting engineer.

\$1,000,000 Hotel Begun at Dallas.

Dallas, Tex.—A two story building at Main and Martin streets is being razed to make room for a 400-room \$1,000,000 hotel to be erected here by the Morten Investment Company. Plans and specifications for the new building are being prepared by W. Scott Dunne, Dallas.



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VIEW ALONG 100-MILE SCENIC LOOP FROM KNOXVILLE, SHOWING MOUNT LE CONTE, 6580 FEET HIGH.

Nature and Industry Combine to Make Knoxville a Wonder City.

By HARRY M. WATSON, Knoxville, Tenn.

In the shadow of the towering peaks of the Great Smokies stands Knoxville, a city of nearly 140,000 people, as the center of a territory that is particularly favored in having its greatest growth in the future instead of in the past. The industries of the East Tennessee Valley, which comprises an area of about 9000 square miles, have been mainly built up by local people through their own efforts, savings and determination. In the past few years, however, outside interests have realized the scope of the opportunities in this section and, as a result, capital is beginning to flow in and turn the wheels of new industries. The area within 125 miles of Knoxville contains 2,500,000 people—the largest group of native Americans that can be found anywhere in the country within equal radius.

Fortunately, the affairs of Knoxville in the past have been in the hands of men possessed of a broad vision, who laid the foundation on which the city now is realizing material growth and prosperity. The present leaders are driving on in the same true course. In this widespread advancement, no small part is being played by the Knoxville Chamber of Commerce, of which the following are officers: Dr. Reese Patterson, president; Howell J. Davis, cement manufacturer, first vice-president; George R. Dempster, machinery manufacturer, second vice-president; C. J. Guzzo, gasoline distributor, treasurer; C. F. Holland, manager and executive vice-president, and Judge H. B. Lindsay, attorney, national councillor. The board of directors: Dr. Herbert Acuff, W. M. Bonham, O. M. Dunn, E. C. Fretz, J. P. Gaut, F. E. Haun, J. B. Ramsey, O. T. Roehl, Col. D. C. Chapman, J. L. Deaver, F. W. Fleniken, Col. C. H. Harvey, Charlton Karns, W. H. McCroskey, Col. C. S. Reeder, T. A. Wright, Jr., and the officers.

The projects program of the Chamber of Commerce includes the following: To foster the further development of farming and stock raising in the territory adjacent to Knoxville; to work for the establishment of an airport; to assist in plans for the erection of a municipal auditorium; to co-operate with the city in effecting a city plan; to aid in local commercial development; to foster a spirit of good-will between Knoxville and its trade territory; to work for the realization of the Smoky Mountains National park; to establish an industrial bureau to negotiate for the location of new industries and to lend aid to present plants; to foster a continuing educational

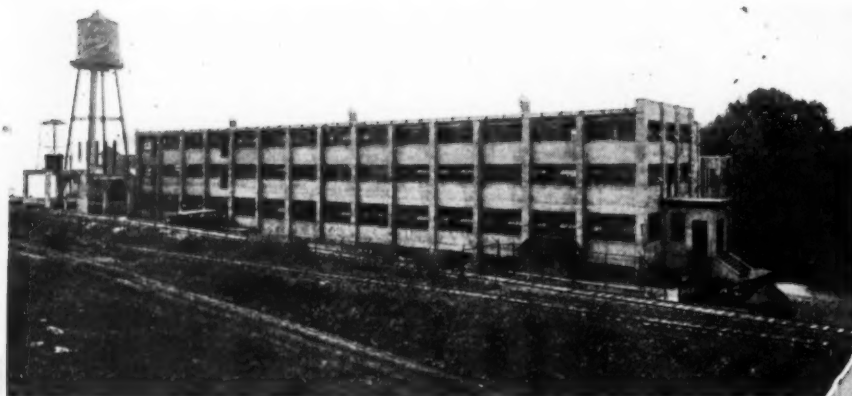
publicity program, and to work for good roads and to provide tourist service.

Located on the Tennessee river at a point 1000 feet above sea level, Knoxville is at the gateway to the Great Smoky Mountains National park, a Federal domain that is destined to become a playground of Eastern America. Seven peaks in the Great Smokies rise to altitudes of more than 6000 feet, 11 others are almost as high and from one point in the mountain range the climber looks out on seven States. Knoxville is 30 miles by airline from the edge of the park area and 34 miles from the majestic Mount LeConte, which rises 6580 feet above sea level, to take rank as the second highest peak east of the Mississippi. The city is fast becoming a tourist center and is prepared to act as host to thousands of people who will come each year to view the grandeur of the Great Smokies. The national park, which will include portions of East Tennessee and North Carolina, will be the second park east of the Mississippi river, and in its area of 427,000 acres botanists have counted 37 species of trees and 174 species of shrubs and flowers. Wild life abounds in this mountain fastness, in varieties of animals and more than 166 species of birds, while game fish are plentiful in the mountain streams.

General James White was the founder of Knoxville. The first lots were laid out in February, 1792, and the town was named in honor of General Henry Knox, Secretary of War in the Cabinet of President Washington. When Tennessee was admitted as a State in 1796, Knoxville was made the capital and remained so until 1811. At that time there were 40 houses and 1200 inhabitants. The city gained the title of "The One Hundred and Fourteen Per Cent City" when its population jumped from 38,000 in 1910 to 120,000 in 1924, and the city directory census for 1928 places the population at 139,800.

Probably, Knoxville has the purest native born population of any city in America, only 1.3 per cent of the residents being foreign-born. The negro population is 14.4 per cent. In the past five years, a wonderful change has been wrought in the appearance of the city by the erection of new buildings, the paving and widening of streets and the opening of new residential subdivisions.

Knoxville is served by the Southern and Louisville & Nash-



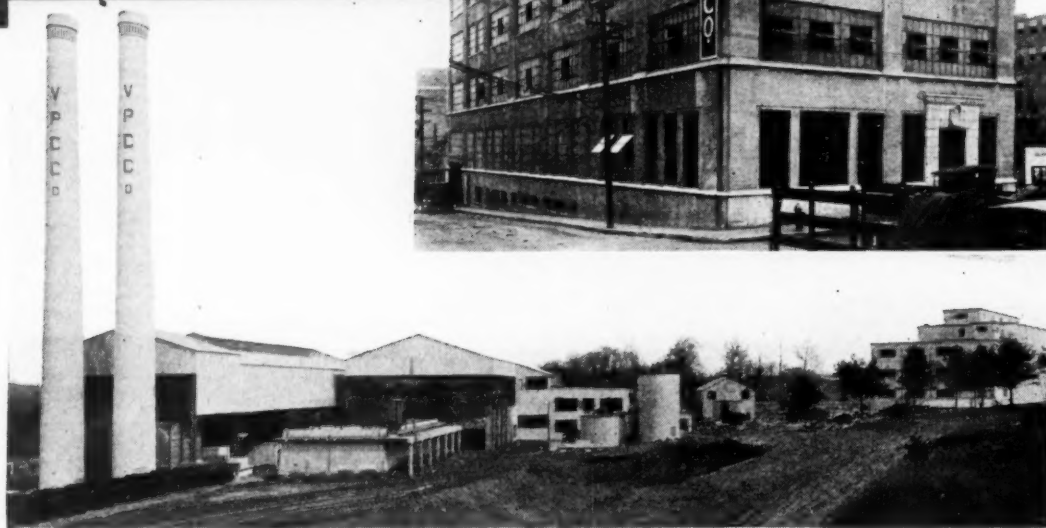
The Fulton Co., Manufacturers of Temperature and Pressure Controlling Equipment.



Holston Mfg. Co., Makers of Boys' Hosiery.



Bowman-Moore Hat Co.



Knoxville's Newest Industry—Volunteer Portland Cement Company Plant—Capacity 3000 Barrels Daily.

ville railroads, with lines radiating from the city in nine directions. The Coster shops, one of the two largest shops on the Southern system, are located here, and equipment for the entire system is built and repaired here. John Sevier yards, a switching and classification terminal six miles east of Knoxville, was built by the Southern railroad three years ago at a cost of \$3,000,000. The main lines, branch lines and spur tracks of the two railroads reach nearly every section of the city. Many desirable manufacturing sites are available within the city limits as well as immediately outside and railroad sidings are already available at some of the sites.

In no other section of the United States, of equal size, is there probably to be found such a wide variety of minerals in commercial quantities as are found in the East Tennessee valley within 100 miles of Knoxville. Mining engineers have

estimated that there is more marble within 10 miles of the city than the local companies can quarry in 100 years. Tennessee marble is famous the world over and goes into many fine public buildings, banks, business houses and monuments. The center of the State's zinc mining operations is at Mascot, 12 miles east of Knoxville, and additional mines have been opened recently at New Market and Jefferson City, while copper mines at Ducktown and Copperhill, 75 miles south of Knoxville, have produced more than 225,000,000 pounds of metallic copper since 1843. The largest sulphuric acid plant in the world is operated in conjunction with the smelting of the copper ore. A plant of the Aluminum Company of America at Alcoa, 15 miles from Knoxville, is one of the largest of its kind in the country and has the distinction of having less aluminum scrap than similar plants. More than

45,000,000 tons of bituminous coal is produced annually within 75 miles of Knoxville, millions of tons of iron ore, as yet little developed, are located within a short distance of the city and the largest bodies of brown hematite in the South are found in the foothills of the Great Smoky Mountains.

Industrial plants in Knoxville secure electric power for operation from the Knoxville Power and Light Company, with facilities to permit the receiving of 50,000 kw., or a margin of 32,000 kw. over present demand. The power is regular and dependable. Development of hydro-electric power in the valleys of East Tennessee is a great project pending at this time, United States engineers having just completed a survey of the Tennessee River and its tributaries to determine the water potentialities in this territory. The survey cost \$500,000. It is estimated by engineers that the potential waterpower that can be developed at 47 proposed sites, through the building of dams, will total more than 3,000,000 horsepower. The Tennessee Electric Power Company and the National Power and Light Company have joined under the name of the East Tennessee Development Company and have applied for permits to develop 11 sites. If authorization is given, the plan is to build five dams on the main stream of the Tennessee, within 100 miles of Knoxville, while also the company is seeking five sites on the Clinch River and one on the Powell.

The supply of white and colored labor, male and female, in Knoxville and the contiguous territory has always been ample and at a reasonable scale, the people being industrious and energetic. Labor unions of this territory are confined almost entirely to the skilled workers in the building and mechanical trades. The textile industry of Knoxville is entirely non-union, and industrial establishments of all kinds, whether using skilled labor or not, are practically all operated

on the American open-shop basis. No serious labor shortage ever has been felt in the city.

Knoxville is gaining prominence as a wholesale and jobbing center, there being now in excess of 135 establishments of this nature in the city, with annual volume of business estimated at \$100,000,000. The actual trade territory for the wholesale and jobbing houses covers between 300 and 400 miles, in east and middle Tennessee and parts of Kentucky, North Carolina, South Carolina, Virginia and Alabama. Among the commodities wholesaled are adding and calculating machines, hardware, limestone, glass, jewelry, building materials, asphalt, automatic sprinklers, automobile tires and other equipment, plumbing equipment, bakery products, groceries and produce, furniture, mill machinery, mining equipment, paper boxes, boys' clothing, candy and confections, chemicals, cigars, men's clothing, coal, flowers, dental supplies, distilled water, farm machinery and tools, drugs, stock feed, fertilizer, flour, hay, grain, hosiery, ice, iron fencing, ladies' ready-to-wear, lumber, mill and mine supplies, millinery, shoes, knit goods, radio equipment and hats.

The textile mills probably represent Knoxville's largest industry. Ten plants are located in the city and their business touches points in all parts of the United States and several foreign countries. Cotton yarn manufactured here is shipped all over the world and Knoxville hosiery is sold everywhere under various trade names. The annual business done by Knoxville textile mills runs close to \$19,000,000, on capital investment of approximately \$8,000,000, while the annual payrolls run over \$5,500,000. More heavyweight cotton knit underwear is manufactured in Knoxville than in any other city in the world, two plants turning out approximately 1,000,000 dozen suits, or business to the amount of about \$8,500,000, each year. Men's and boys' clothing manu-



KNOXVILLE'S PRINCIPAL BUSINESS STREET.



SHOVELING AND LOADING COAL BY ELECTRICITY.
Operating in an East Tennessee mine—Machine manufactured by a Knoxville firm.

factured here has an annual value of approximately \$2,500,000, and hats and shirts are also made in large quantities. A number of mills manufacturing woolen goods for large clothing firms are located in this section of the State.

Within 10 miles of Knoxville is said to be the third largest marble producing section in the United States. Last year 850,000 cubic feet of marble was taken from the quarries here, and this year approximately 1,000,000 cubic feet is expected to be obtained. Nine companies working quarries in Knox, Blount and Union counties furnish to the world between \$5,000,000 and \$6,000,000 worth of marble each year.

Another of Knoxville's important industries is the manufacture of fertilizer, the Knoxville Fertilizer Company selling approximately 30,000 tons, or about 480,000 bags, each year to the farmers of East Tennessee and parts of Virginia and Kentucky. The annual business of the company amounts to about \$750,000.

Also, Knoxville is a furniture manufacturing center of considerable size, the business of the seven largest companies

aggregating more than \$4,000,000 a year, while their payrolls total about \$1,000,000. Other wood-working plants turn out boxes, cabinets and coffins.

Railroads give employment to more than 5500 people and the payrolls amount to over \$10,000,000 annually in Knoxville.

The Fulton Sylphon Company, manufacturer of temperature and pressure regulating devices and heating specialties, said to be the largest of its kind in the world, is located at Knoxville, the annual output being computed at more than \$3,000,000 and the payroll at approximately \$750,000.

Heavy equipment for tunneling and mining is manufactured by the Myers-Whaley company and shipped to all parts of the world. Machines from this plant were used in the construction of the Cascade tunnel near Seattle, Wash., one of the longest railroad tunnels in the United States, and equipment has been sent for projects in India, South Africa, China and Russia.

The Sanford-Day Iron Works manufactures mine cars and wheels for the mining fields of the United States, Central America and South America. Another large plant, the W. J. Savage Company, turns out mill, mine, quarry and general machinery that is placed in service in many parts of the United States and some foreign countries. The J. Allen Smith Company making flour, meal and feed, enjoys an annual business of between \$4,000,000 and \$5,000,000, the products being distributed over the Southeastern States and often to points abroad.

A newcomer in the local industrial field is the Volunteer Portland Cement plant, which has a capacity of 3000 barrels a day and was built and equipped at a cost of approximately \$2,000,000. The wet process, which calls for the mixing of the raw materials with water, will be used. Major F. H. Lewis, a prominent engineer, supervised construction of the plant.

While not primarily an agricultural section, the area about Knoxville produces foodstuffs for the local markets and in addition ships large quantities of high-grade agricultural



One of the Power Dams
on the Mountain Streams
Near Knoxville.

Knoxville's New Water Plant, Opened Late in 1927.

products to dealers in other parts of the country. Fruits and tobacco are the two leading crops of the East Tennessee Valley, apples and peaches being grown extensively, the supply above the local demand being shipped to northern markets in carload lots. Burley tobacco raised in the Appalachian belt last season totaled around 16,000,000 pounds and the average price received by the growers was about 27 cents a pound. Approximately, 3,000,000 pounds was sold on the Knoxville market, where the average price was 29 cents, claimed to be the highest average paid anywhere in the United States for this grade of tobacco.

Hogs, sheep, horses and mules are raised in sufficient quantities to supply local needs. Fine cattle are raised and large numbers of purebred cattle are shipped for foundation stock. Poultry raising also is a thriving industry in Knoxville and the vicinity.

Good roads lead into Knoxville from every direction, the city being on the Dixie Highway, running north and south, and the Lee Highway, running east and west. The great bulk of the tourist travel through the city is from the Middle West to Florida. Hotel facilities in Knoxville are ample to care for tourists, travelers and convention delegates, and a new hotel, the Tennessee Terrace, has just been built on Gay street near the banks of the Tennessee River, affording a fine view of the Great Smokies on a clear day. This, with 340 rooms, and the Farragut, with 300, are the largest of Knoxville's 17 hotels. At present, Knoxville has seven motion picture theaters, and the new Publix Theater house, costing more than \$1,000,000, will be opened in a few months; it will have a capacity of 2500 people.

Building permits issued in Knoxville during 1927 had a valuation of \$5,120,749, including about 20,000 homes, a large group of apartment houses and a number of structures for business and industrial use. C. B. Atkin, owner of the Publix Theater site, is erecting a 10-story office building over the entrance to the theater to match the Burwell building, which he also owns. The Holston-Union National Bank has an-



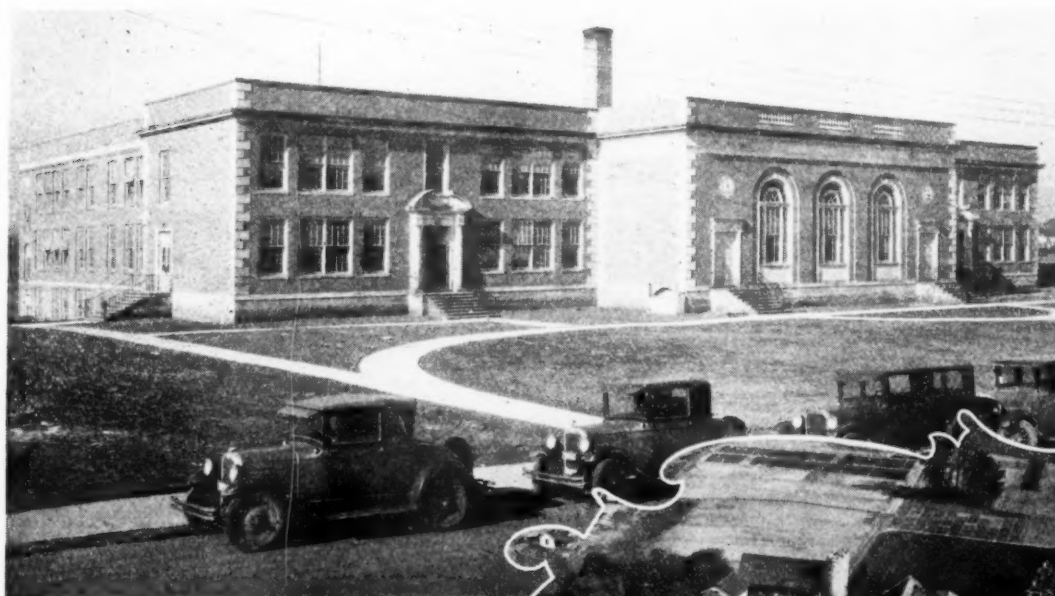
LOADING MARBLE ON TENNESSEE RIVER.

Mining engineers estimate supply of marble within 10 miles of Knoxville enough to last 100 years—Annual output 850,000 cubic feet.

nounced plans to erect three additional stories to the present building, which has 12 stories; the top floor already has been leased by the General Motors Acceptance Corporation for a branch office that will employ 60 persons. Other new projects include a \$500,000 Y. M. C. A. building, an Elks' Home costing about \$350,000, and a 10 to 12 story medical building, costing about \$400,000.

As the demand for homes has increased in Knoxville, attractive subdivisions have been opened, such as Sequoyah Hills, with picturesque drives, water, lights and sewers.

Knoxville has the city manager form of government, with Otto Roehl, a progressive business man and executive, at the helm of the municipality. The city council, elected by the people, is composed of men of high standing in the community and it can be said that the wheels of the government are turning smoothly, with no friction or strife evident. A city plan, prepared by Harland Bartholomew and Associates, St. Louis, has been adopted for the widening and extension of a



New Junior High School — Part of Knoxville's \$2,250,000 School Building Program.

Agricultural Buildings and Farm of the University of Tennessee.



number of streets and the laying of some new ones. A zoning plan is now being drafted.

The city government, during the past year and a half, has spent large sums of money for municipal improvements, the Broadway viaduct, which carries traffic over the tracks of the Southern railway and serves as a connecting link between two busy sections of the city, alone representing an expenditure of \$324,000. A new waterworks plant, erected and

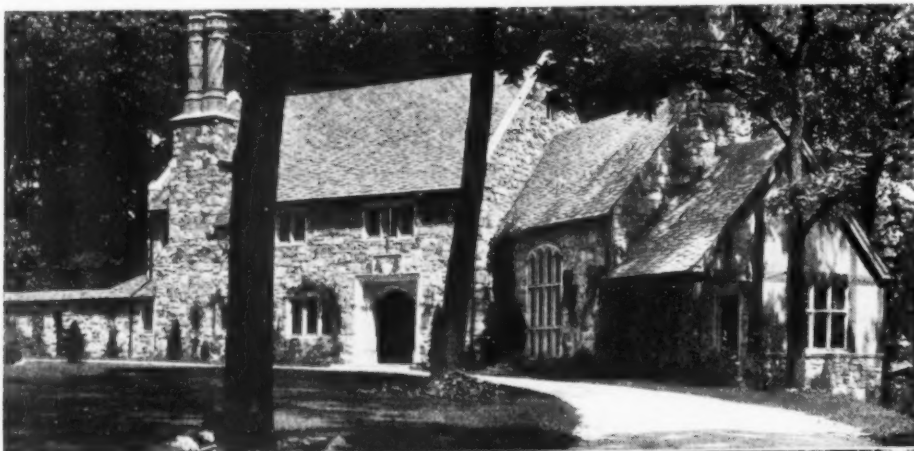
installation of a synchronized traffic signal system to replace the street towers now in use. Several changes in the parking regulations in the uptown area also are being considered.

Acquisition of an airport has been under consideration for some time and, as the Chamber of Commerce, city officials and aviation enthusiasts have been working on this project, it appears likely that a fine landing field will soon be available here for visiting planes. Two small fields are now being used.

Knoxville is the home of the University of Tennessee, for which the legislature has appropriated \$2,500,000 to be used over a five-year period in the erection of new buildings. Three new structures, a geology and physics building, a chemistry addition and a girls' dormitory, are to be started this year, and other buildings planned include an administration building, a library and a boys' dormitory. The city also is the location of the Tennessee School for the Deaf and the Knoxville College, the

latter being one of the South's leading colleges for members of the colored race.

The three largest hospi-



equipped at a cost of \$2,500,000, is owned and operated by the city. Every part subject to break-down is furnished in duplicate and the plant has capacity sufficient to care for

demands of the city for years to come. The city also has extended and improved the distribution system.

Within the past year and a half, the city has spent \$2,250,000 in the erection of new school buildings and additions, including four new elementary schools, two new junior high schools and additions to eight other structures. A fine gymnasium building was erected for the city high school. Completion of this building program eliminates practically every "double division" plan in the city, thereby enabling each child to attend school a full day. The public school system now includes 43 schools.

Bonds to the amount of \$2,000,000 have been issued to finance the creation of new improvement districts, the work including sidewalks, curbs, gutters and storm and sanitary sewers; \$757,000 in bonds has been issued for more improvement districts. A contagious disease unit at the Knoxville General Hospital cost the city \$75,000. The major city improvement project now pending calls for widening Henley street to 100 feet; \$500,000 has been provided for the purchase of property through condemnation proceedings. On this line, also, the city plan calls for the erection of a new bridge across the Tennessee River from the foot of Henley street, to carry a large portion of the traffic from West Knoxville into South Knoxville, thus relieving the congestion on the present single structure. A smoke abatement ordinance recently was enacted and John Hunter of St. Louis has been retained to assist in starting the work of the regulatory bureau. The city council is considering at this time the



Three of Knoxville's Beautiful Homes.

tals are the Knoxville General, the Howard-Henderson and the Riverside-Fort Sanders, and others are the Eastern State Hospital for the Insane, the Beverly Hills Tubercular sanatorium and the United States Trachoma hospital. The city health offices and clinics are housed in a building known as the Health Center.

There are 174 churches in the city and the majority have adequate and attractive edifices. A survey shows: Baptist, 37; Southern Methodist, 21; Northern Methodist, 14; Presbyterian, 14; Christian, 7; United Brethren, 4; Roman Catholic, 2; Christian Science, 1; Episcopal, 2; Friends, 1; Hebrew, 2; Lutheran, 2; Seventh Day Adventist, 1; Independent, 19. Negro churches number 46.

Payment of taxes by the people of Knoxville and Knox county has proved to be an excellent investment, for large dividends have been reaped in terms of public improvements. The tax rate for Knoxville for 1928 will be \$2.10 on each \$100

of assessed property, based on an approximate assessment of \$153,000,000 for real estate, personal, public utility, ad valorem and personal polls, and apportioned as follows: General government, 93 cents; schools, 40 cents; libraries, 2 cents; debt service and sinking fund, 74 cents. The new city assessment will be distributed thus: Real estate, \$119,000,000; personal, \$15,000,000; public utility, \$11,500,000; ad valorem, \$7,000,000; polls, \$500,000. The combined state and county tax for the territory in Knox county outside the city limits is \$1.10 per \$100 of assessed valuation, bringing the combined city, state and county tax to \$3.20. Assessments on city property are supposed to be made at actual value, whereas the state and county assessment is usually at 50 to 60 per cent of the value.

Evidence of business prosperity in Knoxville is contained in the report of the year's bank clearings: Increase for 1927 over 1926, \$643,006; total for 1927, \$169,779,462, as compared with \$169,136,420 for 1926; average for each month in 1927, \$14,148,285. Postoffice receipts for 1927 amounted to \$677,103, an increase of \$3806 over 1926; average monthly receipts were \$56,425 in 1927.

Knoxville is proud of its group of active service clubs, which play an important role in the promoting of worthwhile community undertakings. Such organizations include Rotary, Kiwanis, Civitan, Optimist, Exchange and Lions. There are many other fraternal, commercial, professional and civic clubs that are conducted along healthful lines for the betterment of the city.

The city has an agreeable year-round climate as a result of its location in the heart of the great East Tennessee valley. The effect of the shut-in condition is to modify somewhat the temperature conditions; the high mountains on the southeast act as a barrier to divert any hot winds, and the maximum temperatures experienced in this valley are lower than those beyond the mountains in any direction. The rainfall is ample for agricultural purposes and is favorably distributed for the growth of crops. There are two wet seasons, winter and summer, and two drier seasons, late spring and early fall. This distribution of rainfall makes the double cropping season practical from every standpoint. The average mean temperature in Knoxville for the year is 58 degrees, ranging in summer between 70.2 degrees and 76.9 degrees, and in winter between 38.4 and 47.6 degrees. The average rainfall is 48.42 inches.

Twelve playgrounds for children are operated under the supervision of the city recreation bureau, which has in its charge some 20 park areas and also conducts noonday recreational periods at various business houses and industrial plants for employees. There is an 18-hole golf course; there are 12 municipal tennis courts and a number of baseball diamonds and each year the city conducts amateur baseball and basketball leagues and a city-wide golf tournament. Two country clubs, Holston Hills and the Cherokee, have 18-hole golf courses and other recreational facilities.

In the mountains near Knoxville are numerous resorts that are gathering places of hundreds of people from this



UPPER—White Springs Hotel—One of a Score of Resort Hotels in Knoxville and the Nearby Mountains.

LOWER—A Modern Apartment House.

New Tennessee Terrace Hotel on the Tennessee River With a View of the Smokies.

section during the late spring and summer and week-end trips into the Great Smokies represent a popular form of diversion. Indeed, the Great Smokies now are visited by people from every corner of the nation and motorists, mountain climbers, hikers, campers and nature lovers seek



ONE OF KNOXVILLE'S MODERN OFFICE BUILDINGS.

the "rooftop of Eastern America" for escape from the summer heat, for rest in beautiful surroundings, for the thrill of sojourning above the clouds and for the spiritual exaltation of intimacy with Nature in all her glory.

\$200,000,000 Construction Work in Virginia.

Richmond, Va.—Completing a preliminary survey of Virginia's industrial conditions, William Boncer, of the State Department of Labor, announces that construction actually begun or expected to begin in the near future, through industrial development, government or private enterprise, will exceed \$200,000,000. Total figures do not take into account many small business enterprises and private home construction, which will amount to a considerable figure as a whole. The survey lists construction work approximating \$174,000,000 without considering several large plants which have practically been completed. It is thought the construction situation in Virginia will create good employment conditions for a long period.

ALABAMA INDUSTRIAL COMMISSION. Survey Now Under Way to Catalog State's Resources and Promote Use of Alabama Manufactures.

Birmingham, Ala.—Alabama's Industrial Commission, authorized by an act of the last legislature, is now functioning. Governor Bibb Graves is ex-officio chairman; Theodore Swann, president Federal Phosphorus Company, vice-chairman (executive); George Gordon Crawford, president Tennessee Coal, Iron and Railroad Company; S. M. Dunwoody, Secretary of Agriculture and Industry of the State, ex-officio secretary; Thomas W. Martin, president Alabama Power Company; Lindley C. Morton, former president Phoenix Portland Cement Company, and Benjamin Russell, textile leader, Alexander City, members.

The commission has selected Thad Holt, well-known publicity man of Birmingham, as director and Dr. James S. Thomas, of the University of Alabama, Tuscaloosa, as associate director.

The board will make a complete inventory of all products manufactured within the State, with a view of encouraging their use within and without Alabama. The board will also study the various resources of the State that are capable of development. Architects of the State will be called upon to make survey of the various building materials. Cooperation on the part of Chambers of Commerce and other bodies is being sought. The legislative act creating the commission did not provide any funds for advertising. The legislature provided \$25,000 for the use of the commission in its work and the individual members have promised to underwrite \$5000 each for the service. Office has been opened in Birmingham and the survey of the State is being made.

\$1,500,000 Hotel Annex and Alterations.

Hot Springs, Ark.—Plans are being prepared by George R. Mann and Wanger & King, Little Rock, for a 14-story annex and alterations to the Eastman Hotel here, which will be known as the New Kingsway Hotel. When completed the hotel will contain 650 rooms. The annex will provide 270 rooms, half of which will be equipped with baths and 50 supplied with Hot Springs mineral water. A bath house will contain 40 tubs and will include departments for men and women. George R. King, New York, is president of the company building the addition to the hotel; George R. Mann, vice president; Fred Rix, Hot Springs, treasurer, and Tom Martin, secretary. The addition will cost \$1,500,000.

Contract for Veterans Hospital in Louisiana.

Alexandria, La.—The Virginia Engineering Company, of Newport News, Va., has been awarded general contract for the erection of the Veterans Hospital here, on a bid of \$879,000, the award being made by the United States Veterans Bureau, Washington, L. H. Tripp, chief of the Construction Division. The hospital will contain 400 beds, necessary clinical, occupational and recreational facilities, service buildings, quarters for personnel, garages, boiler houses and storehouses. An appropriation of \$1,500,000 is available.

Bids on \$300,000 Barracks Fort Sam Houston.

Fort Sam Houston, Tex.—Bids will be opened August 13 by Captain A. W. Parker, Constructing Quartermaster, for the erection of infantry battalion barracks here to cost about \$300,000. The barracks will be three stories, 400 by 50 feet, with four wing extensions, about 50 by 32 feet, of Spanish Mission architecture. Heating, plumbing and wiring will be included in the general contract.

Building Two Electric Towboats for Warrior River Service.

The Tennessee Coal, Iron and Railroad Company, a subsidiary of the United States Steel Corporation, is having built two Diesel electric towboats of the twin-screw, tunnel stern type. The steel hulls and superstructures are being built by the American Bridge Company, at their Ambridge, Pa., plant. The outfitting work will be done by the Carnegie Steel Company, at its Clairton, Pa., plant.

The towboats will be of the following moulded dimensions: Length, 140 feet; breadth, 25 feet; depth, 9 feet 3 inches. These dimensions were fixed by the size of the locks on the Warrior and Tombigbee rivers on which the boats will operate. The locks are of such size that they can take a tow 50 by 280 feet, and as the towboats will at times handle seven barges of standard size in each tow, the entire fleet will be enabled to pass through a lock in two lockages.

The boats will operate between Birmingham, near Birmingham, Ala., and Mobile, a total river distance of 419 miles. They will have to pass through 17 locks, one of which is the double type, requiring two lockages. A portion of the Warrior River which passes through the alluvial district has a number of sharp bends and at times a swift current. It is the belief that a Diesel electric towboat will give the maximum efficiency and maneuvering ability for handling a tow in a river of this nature. These boats have been designed to give the maximum comfort and accommodations for the crew, and, when completed, will be two of the most modern and up-to-date towboats operating on any river in this country, say the owners.

The towboats will be completely electrically equipped, with the exception of the galley and the heating facilities, the latter being provided by a small boiler, which will also furnish steam for syphoning the barges when necessary. The power plant consists of two 550-horsepower Nelsco Diesel engines manufactured by the New London Ship & Engine Company, Groton, Conn., direct connected to two 335-kilowatt 250-volt 250-r. p. m., direct-current generators. Each propeller will be driven by a double motor rated 400 horsepower, 140 r. p. m., 250-volts, shunt wound. Power for auxiliaries and lighting, as well as for excitation for the main generators and propelling motors, will be furnished by two 40-kilowatt, 120-volt, compound-wound, direct current, auxiliary generators. These will be driven by the main engines and will be mounted directly on the shaft extensions of the main generators. Variable voltage control will be used, arranged for operation either from the pilot house or the engine room.

It is expected that one of the boats will be put in service about the end of the present year and the other early next spring.

\$4,000,000 Hotel Projected for Oklahoma City.

Oklahoma City, Okla.—Organization has been effected here of the Oklahoma Hotel Building Company, capitalized at \$1,500,000, to erect a 25-story, \$4,000,000 hotel at Grand and Harvey avenues, to be known as the Oklahoman Hotel. It is understood that 1000 shares of stock of the hotel company will be sold, with a par value of \$1,000,000. Officers of the company include C. F. Colcord, president; W. T. Hales and Martin Reinhart, vice-presidents, and Joe Landers, secretary.

Bids Asked on \$1,000,000 Montgomery School.

Montgomery, Ala.—Bids will be opened July 31 by the City Board of Education, W. R. Harrison, superintendent, for the construction of a \$1,000,000 senior high school building, 465 by 120 feet, 3 stories and basement, with auditorium wing, 96 by 104 feet, 1 story and basement, and gymnasium, 132 by 76 feet, 2 stories and basement. It will be of reinforced con-

crete, and brick with Indiana limestone trim, structural steel trusses and Barrett or built-up roof. Frederick Ausfeld, Montgomery, is the architect. Contractors estimating include the Southern Ferro Concrete Company and the A. J. Krebs Company, both of Atlanta; A. C. Samford, Algernon Blair and the Hugger Brothers Construction Company, all of Montgomery; Foster & Creighton Company, Birmingham; Palmer-Spivey Construction Company, Charlotte; Seaboard & Southern Construction Company, Jacksonville; J. L. Crouse, Greensboro; Ward & Ward, Fairmont, W. Va., and O. M. Gwin Construction Company, New Orleans.

CARBON BLACK PLANTS UNDER WAY.

Godfrey L. Cabot Using Waste Gas From Gasoline Plants in Texas.

Pampa, Tex.—Godfrey L. Cabot, Inc., Boston, Mass., completed in June a 56-building carbon black plant here and have under way an addition which will provide a total of 112 hot buildings. The plant will consume, when completed, 22,000,000 cubic feet of gas daily. This gas was formerly discharged into the air from gasoline plants owned by the Phillips Petroleum Co., Roxanna Petroleum Co. and the Atlantic Refining Co. The plant will manufacture 16,000,000 pounds of carbon black annually.

At Skellytown, 14 miles west of Pampa, the company is erecting an addition of 80 channel type hot buildings and 12 roller process buildings, to give a total of 172 hot buildings. By September the plant will be consuming 34,000,000 cubic feet of waste gas daily, and will be manufacturing carbon black at the rate of 20,000,000 pounds a year.

At Eliasville, in eastern Texas, the company has in full operation a 90-building carbon black plant.

The company maintains its own construction organization for the fabrication and erection of its plants. "The phenomenal growth of our manufacturing facilities in Texas, has been principally due to our discovery some months ago of a method of controlling production so as to eliminate off-quality carbon black from our shipments, and this has made possible a very large increase in our sales," says Thomas D. Cabot, treasurer of the company, in discussing the big expansion program.

For Purchase of \$3,000,000 Irrigation System.

Mercedes, Tex.—Land owners served by the irrigation system of the American Rio Grande Land and Irrigation Company have formed an irrigation district for the purpose of voting bonds and purchasing the system, at a cost of approximately \$3,000,000. Engineers are now making a survey of the property to get an accurate estimate of its value. The holdings consist of river pumps, main canals, gates, locks, meters and laterals, a trunk canal having its intake on the Rio Grande River where a large pumping plant is located. Canals are equipped with locks and are deep and wide enough to float ships. The system supplies the Mercedes and Weslaco sections.

\$800,000 Express Building for St. Louis.

St. Louis, Mo.—Work is expected to begin at once on an \$800,000 American Railway Express building to be erected here by the Terminal Railroad Association of St. Louis and construction completed within seven and one-half months. Contract has been awarded to Dwight P. Robinson & Company, New York, for engineering and supervision of construction, while H. J. Pfeifer, chief engineer of the Terminal Railroad Association, will have general charge. This unit is a portion of a \$3,000,000 expansion program planned by the Terminal Railroad Association.

\$21,000,000 EXPENDITURE BY CHESAPEAKE AND OHIO RAILWAY.

Huntington Improvements to Cost \$9,635,000 and Engine Terminals at Cincinnati, \$2,300,000.

Richmond, Va.—The expenditure of \$21,144,724 to carry out an extensive improvement program on the system of the Chesapeake & Ohio Railway Company, has been authorized by the board of directors, according to W. J. Harahan, president. The board contemplates an expenditure of \$9,635,000 at Huntington, W. Va., including \$3,500,000 for the enlargement of locomotive repair shops, \$5,900,000 for additional main line tracks and \$325,000 for the enlargement of a hospital. Improvements will be made to the shops at Richmond at a cost of \$1,000,000, while additional track and shop facilities at Clifton Forge, Va., will entail the expenditure of another \$1,000,000. Improvements at Hinton, W. Va., including shop and track facilities, will cost \$1,260,000.

A new roundhouse will be constructed at Ashland, Ky., at a cost of \$500,000, and a new engine terminal at Cincinnati, Ohio, will cost \$2,300,000. An expenditure of \$1,300,000 is contemplated for the construction of second track at various points on the system, and it is planned to expend \$989,724 for other improvements, including additional tracks, depots and the elimination of grade crossings.

Application will be made at once to the Interstate Commerce Commission for authority to capitalize past expenditures for improvements for the purpose of reimbursing the company's treasury, so that work may proceed on the contemplated improvements as soon as authority is obtained.

Ice Cream Production in 1927.

The total production of ice cream in the United States increased 3.4 per cent, or 11,038,610 gallons, in 1927 over 1926, according to the Department of Agriculture. In 1927 the total production, including that made in homes, drug stores and other places, was estimated at 335,703,610 gallons, which made the per capita consumption for the year 2.85 gallons for 1927, as compared with 2.77 for 1926.

Production of ice cream has been increasing in the last few years, as have no other major products of the dairy industry. In 1910 it was estimated at 95,450,000 gallons; in 1920 it had increased 172 per cent, to 260,000,000 gallons, while in 1927 it had increased to 335,703,610 gallons. The production of ice cream increased in the last 10 years 160 per cent.

Architects for \$2,000,000 Municipal Auditorium.

New Orleans, La.—Favrot & Livaudais, Ltd., of this city, have been selected as architects for the \$2,000,000 municipal auditorium to be erected here, according to an announcement by Leigh Carroll, chairman of the Auditorium Commission, and Sam Stone, Jr., & Company, also of New Orleans, have been retained as consulting architects. The building will be erected in the rear of Beauregard Square, it is expected, and preliminary sketches will be started at once. It will contain a large convention hall, theater, exhibition space, auxiliary meeting rooms and dressing rooms.

Maryland County Lets School Building Contracts.

Rockville, Md.—The Montgomery County Board of Education has awarded contracts for additions to high school buildings to cost about \$320,000, of which \$145,178 will be expended for a gymnasium, six class rooms and an assembly hall to the Bethesda-Chevy Chase school. Contracts for the improvements have been awarded as follows: General construction, Alfred C. Warthen & Sons, Kensington, Md., at \$123,500; heating, William A. Wagner, Kensington, \$17,773;

plumbing, Charles T. Crockett, Bethesda, Md., \$3900. For remodeling the Rockville High School building, adding a gymnasium and other rooms, general contract was awarded to Frank H. Karn, Rockville, at \$58,935; heating, William A. Wagner, \$13,585; plumbing, K. W. Simpson & Company, Kensington, at \$4560. Charles H. Brooks, Washington, was awarded general contract at \$79,000 for the addition of six class rooms and a gymnasium to the Takoma Park-Silver Spring High School and William A. Wagner, at \$12,890, for heating. Charles T. Crockett was awarded contract at \$3476, for plumbing.

Airmail and Express New Tool of American Business.

By HAROLD CRARY, Chicago, Ill.

Deep hush of the night—then, the chug of a motor, the purr of the propeller; lights begin to flash around the airport and soon the powerful mail plane lands, and hurriedly discharges mail and express and often passengers. That would have seemed a fairy tale in 1920, but today air transport is a business reality. Air transport is the apex of communication, and business, to which time is money, has turned to air transport, just as business turned to the train when it silenced the hoof beats of the pony express, a few generations ago.

The business man of America is saving millions of dollars a year because 100-mile an hour transportation and communication have arrived and, with a 75 per cent postage reduction on the average weight airmail letter and a 50 per cent reduction on mail exceeding an ounce in weight, effective August 1, some almost revolutionary changes in business tactics are certain to result.

The airmail carries not only business and social correspondence, but also a surprising diversity of parcel packages. A Milwaukee manufacturer recently sold a cargo of locks in the New York market, and by shipping via air, 1000 miles away, put his locks down in New York as fast as his competitors could have delivered them from New England. Shippers of oil from California to the Atlantic Coast save thousands of dollars in interest by forwarding bills of lading via air. In March, last, a consignment of flowers was flown to New York, so that they might arrive with the bloom of California fresh upon them. Results obtained by the alert business man who capitalized on the advantages of air transport furnish the answer to the question, "What does air transportation, mail, express and passenger, mean to modern business?"

Air transport assures an overnight replenishment of stocks. Consequently, smaller inventories can be carried and, should there be a delay in receiving shipments to keep stocks up to requirements, the air transport service is the emergency method to fall back on. As soon as the business man appreciates the fact that he can reduce his investments in stocks carried, because he is always sure of what air transport will do if he runs short, hundreds of thousands of dollars will be saved a year to American business through the carrying of smaller inventories.

Twenty-four million dollars now wings its way daily into Wall Street by airmail, representing the face value of checks sent from all over the country to New York correspondents for deposit, loans on call or other purposes. Utilization of the airmail brings the checks to the Nation's financial center at the New York clearing houses from one to three days ahead of train mail; thus, interest is saved for one to three days at the rate of 3 to 4½ per cent. In a year, money arriving in New York by airmail is estimated at \$7,200,000,000. If only 2 per cent is saved thereby, the amount involved runs to \$144,000,000.

The reduced rate of five cents for the first ounce and 10

cents for each additional ounce, the old rate having been 10 cents for a half ounce, comes at a time when the airmail companies are providing the most efficient and widespread service in their history. The airmail planes now operate 25,000 miles a day, including mileage traveled over 7500 miles of lighted airways. These planes traverse 38 States and serve directly 62,000,000 people, and millions more share the advantages of airmail by close train connections.

Some typical savings in time, and these illustrations could be duplicated for all parts of the country, are:

	Train	Airmail
	Hrs.	Hrs.
New York to San Francisco.....	83	31
Chicago to New York.....	20	9 " 20 Min.
St. Paul to Dallas.....	37	17 " 45 "
New York to Atlanta.....	24	10 " 17 "
Boston to Cleveland.....	16 " 20 Min.	8 " "
Los Angeles to St. Louis.....	60	26 " 15 "
Los Angeles to San Francisco.....	12	4 " "
St. Louis to St. Paul.....	18	8 " 25 "
Youngstown to Des Moines.....	20	8 " 25 "

What will happen to the manufacturer, or retailer, or the business man in general, who sticks to train transported mail, while his alert competitor reaches competitive markets 12, 24, 48 or 72 hours ahead of him by using air transportation, especially when the new rates August 1 offer such drastic reductions? In these days of keen competition, it behooves the alert business man to use the fastest communication.

Air transportation is the business tool of today—not Tomorrow. That explains why executives are instructing department heads to determine where and how time and money can be saved, and new business be developed, by the use of airmail and express.

Orange County, Fla., to Exhibit.

Orlando, Fla., July 21 [Special.]—The Orange county exhibit, to be made at the Central States Exposition, Aurora, Ill., August 10 to 17, has been shipped from Orlando. The exhibit, which is 48 feet long, has in the center a miniature farm 10 by 20 feet, the background being a large painting of an orange grove. In front of the painting, and so arranged as to seem to merge into it, are miniature orange trees, continuing the line of the grove. Also shown, are a dairy barn, silo and cows, poultry houses and chickens and a comfortable Florida home, with tennis court and croquet grounds.

In front of the poultry yard is an ingenious device which causes three crops, lettuce, tomatoes and peppers, continually to rotate, and a card carries the inscription, "Orange County, Florida, has ten good growing months and three crops a year." In front of the miniature farm is a modern highway, with moving automobiles and trucks, and against the clouds on the background a projector throws the words, "Make your home in Orange County and enjoy Florida at its best."

From Aurora, the exhibit will be shipped to Toronto, where it will be shown at the Canadian National Exhibition, August 24 to September 8. This is the fourth year that Orange County has carried its exhibit to the Canadian National Exhibition.

The exhibit is financed by the board of county commissioners and is built and managed by the Orange County Chamber of Commerce as a part of the publicity work of this central Florida county.

\$1,500,000 Building for Kansas City.

Kansas City, Mo.—Contract has been awarded by the Grand Realty Company to Fridstein & Company, Chicago, for the erection of a \$1,500,000 store and professional office building at Eleventh street and Grand avenue, this city. The structure will be 16 stories, of brick, with an arched entrance. The first two floors will contain stores and the remaining floors be devoted to offices for physicians and dentists. Charles A. Smith and George E. McIntyre, both of Kansas City, are the architects.

ENGLISH TEXTILE INDUSTRY OVERBORROWED FROM BANKS.

Borrowed Cheap Money and Must Now Pay Dear Money.

Manchester, Eng., July 21—[Special.]—The first meeting of the special sub-committee set up by the Master Spinners' Federation with a view to finding out whether a scheme of financial reconstruction in the cotton industry can be evolved was held in Manchester and, after a lengthy discussion, adjourned to a later date. In a statement, S. S. Hammersley, M. P., said that in other trades a serious effort was being made to deal with this problem of over-capitalization, but public opinion was unable to detect any concerted movement in the cotton spinning trade to deal with this problem. The difficulty in the cotton trade, he added, arose not from the money invested by shareholders, but from the money which had been lent to the trade by banks and loanholders when the pound was only worth approximately 13 shillings 6 pence.

"The banks," said Mr. Hammersley, "have a stranglehold on the industry. With this financial stranglehold, the industry cannot live and prosper; yet, the stranglehold is of such a nature that, though the industry cannot prosper, neither is any particular mill allowed to die. The banks refuse to face their inevitable losses here and now, and by denying present financial efficiency they prevent the trade from obtaining mechanical and industrial efficiency."

Mr. Hammersley said that, unless the question of financial overhead costs was dealt with, the American section of the spinning trade was doomed, and that the first step the cotton industry must take to rehabilitate itself was to restore its financial overhead costs to an economic level. He believed that the Federation might force the Government to insist on the banks meeting together to discuss the serious position, and said that in the end the solution of Lancashire's problems may be found along the lines of a special cotton bank.

\$500,000 City and County Building Contemplated.

Portsmouth, Va.—Complying with the request of Mayor Brookes, the City Council has authorized the mayor to appoint a committee to consider the feasibility of disposing of the courthouse site and carrying out the terms of a contract made five years ago with Norfolk County for the construction by the city of a joint county and city building on Washington street to cost about \$500,000. The mayor proposes a committee empowered to discuss the situation with Norfolk County officials to ascertain the prospects of obtaining a fair price for the property, but without power to take final action.

\$1,000,000 Contract for Oil Tanks in Texas.

Beaumont, Tex.—Contract has been awarded by the Yount Lee Oil Company of this city, to Reeves Brothers, Birmingham, Ala., for 34 new tanks to be erected on the company's tank farm at Spindleton, near Beaumont. Four of the tanks will have a capacity of 80,000 barrels each, and 30 of 55,000 barrels each. The farm is already equipped with 48 tanks of 55,000 barrels capacity each.

\$20,758,000 in Baltimore Construction for 6 Months.

The value of building operations in Baltimore for the first six months of the current year reached a total of \$20,758,000, according to a report by William G. Hammond, building engineer for the city. These figures show a total of \$1,526,148 over the corresponding period last year.

\$35,000,000 for New Industrial Projects in Alabama.

Diversified Industries to Provide Initial Annual Payroll of \$15,000,000—Heralded As Great Boon to Agriculture—Will Give State Economic Balance.

Birmingham, Ala.—In 23 Alabama communities 33 major industrial projects, requiring a total expenditure of approximately \$35,000,000 are now under construction or definitely assured, according to an announcement by Thos. W. Martin, president of the Alabama Power Company. The present industrial development program is said to be the largest ever undertaken at one time in the State, and will provide employment for about 17,500 persons and create new payrolls of more than \$15,000,000 in the first year of operation of the enterprises.

Diversity in the character of the products to be manufactured is a feature of the new enterprises. The 33 new plants will make 15 different products, including several not heretofore manufactured in Alabama. Kraft paper and bags, silk cloth, condensed milk, cotton bags, fine cotton and rayon goods, woolen underwear, sweaters, Fuller's earth, copper wire and furniture are chief among the products of the new enterprises.

What is more, the 23 communities extend from the Tennessee to the Gulf and from the Georgia to the Mississippi State lines, and small towns share with large cities the locations for the new industries. "This diversity in location indicates that the trend in Alabama today toward decentralization of industry is an accomplished fact," declares Mr. Martin.

Noticeable impetus has been given to the building trades as a result of the new construction under way and proposed. It has stimulated production of the necessary building materials, causing plants to speed up production, and has given employment directly to large numbers of skilled and unskilled workmen in building operations.

"The distribution in towns of 1500 to 5000 population of \$250,000 to \$500,000 of new money each year, in many cases, doubles or trebles their present payrolls and sets up a cycle of prosperity affecting every business, trade, and profession and increases their gross income by 25 to 100 per cent," declares Mr. Martin. "Agriculture will also benefit from the new payrolls. The new workers will create new local markets for farm products. But agriculture will be benefited especially by the new creameries and condensaries, one of which will distribute \$1,000,000 in cream checks each year, a sum equal to the value of the average county's 10,000 bale crop of 20-cent cotton. The new kraft paper mills will also benefit the farmer by providing a market for pulp wood. One plant alone will require 100,000 cords of pine wood each year, and it is estimated that the consumption of pulp wood in Alabama will reach 300,000 cords in the next two years. Thus, for the first time in the State's history the value of timber as a cash crop and of timber conservation will be brought home to Alabama farmers. As a result, the wood lot on Alabama farms is destined to take on increasing importance."

While it is difficult to determine all the benefits to be

derived from this big industrial development program, Mr. Martin points out "that these changes are giving us economic balance, changing us from a strictly agricultural to an industrial and agricultural State, which makes for a sound progress and uniform prosperity."

\$3,000,000 BOND ISSUE FOR EXPANDING UNIVERSITY OF TEXAS.

Plans Being Prepared for 800,000 Chemistry Building and \$650,000 Library Addition.

Austin, Tex.—The University of Texas, Dr. N. Y. Benedict, president, proposes to issue \$3,000,000 of bonds to carry out an expansion program and is already having plans prepared for an \$800,000 chemistry building and \$650,000 library addition. The new chemistry building will cover a ground area approximately 300 by 96 feet, the structure to be E-shaped and so designed that additions may be built in the future. Plans call for four floors, fireproof construction, the base course to be in stone for one story, above which brick and terra cotta will be used, with tile roof. The building will be completely equipped with chemistry desks and other modern laboratory features.

Plans for the library addition have been developed for making the most of the present building which has a stack capacity of 221,000 volumes. This capacity will be increased to approximately 1,000,000 volumes by the new addition, which provides for a stack layout in the center to cover an area 80 feet square and providing ten stack levels. Three-story wings will be provided on either side of the building, 146 by 42 feet, all new construction being designed for future enlargement. The addition will conform in architecture to the present building and will provide, in addition to stack space, a reserve book reading room for freshmen, senior reading room, newspaper reading room, work space, cataloging space, offices and other facilities. Three stacks will be reserved for future growth.

Herbert M. Greene, Laroche and Dahl, of Dallas, are the architects.

Government Approves Baltimore's Plans for \$4,000,000 Airport.

The construction of bulkheads near Dundalk and the reclamation of submerged lands in connection with Baltimore's plans for the construction of a \$4,000,000 airport, have been approved by the War Department at the recommendation of the Board of Army Engineers. This action by the Government paves the way for the acquisition of the necessary land and for filling in of the submerged section, and it is expected that details for consummating this phase of the project will be worked out at once. A loan of \$1,500,000 was voted more than a year ago for the airport and this amount is now available.

Textile Mill Facts From Sidney B. Paine.

Disclosures of interesting facts in the development of electric power in cotton mills which were attributed to Sidney S. Paine in the MANUFACTURERS RECORD of July 12 emanated really from his father, Sidney B. Paine, for many years associated with Thomas A. Edison and the General Electric Company. Sidney B. Paine retired in 1926, while his son is president of the Textile Development Company, which he organized in 1924. All textile matters of the General Electric Company were under the jurisdiction of Sidney B. Paine as manager of the mill-power department, and he personally closed the contracts with three mills mentioned in the article.

Letters From Our Readers

The MANUFACTURERS RECORD is being swamped with letters in regard to the political situation. Some are letters of bitter criticism; most of them are letters of strong commendation of the position taken by this paper. From time to time, as space permits, we will publish these letters regardless of whether they are letters of commendation or criticism.

These letters must not discuss the political question from the religious standpoint.

Tammany Buncoed the South, Is the View of This Birmingham Business Man.

Birmingham, Ala., July 11.

Editor Manufacturers Record:

I have just returned from a three weeks' trip in Minnesota, Wisconsin and Michigan, and have read your splendid pronouncement in the MANUFACTURERS RECORD of July 5, regarding the South and Governor Al Smith as the nominee of the Houston convention. I endorse heartily your views and believe they represent the real sentiments of the best citizens of the South. Your clarion call should, and I believe will, find a victorious answer at the polls in November.

Al Smith does not in any sense represent the ideals and traditions of Southern Democracy and this was evidenced by the selection of delegates to the Houston convention by the voters in recent primaries where the issue was clear-cut, and notably in Alabama, where, despite the active support of some of our largest and most powerful newspapers in Al Smith's favor, the anti-Smith delegates were elected by two-to-one majority.

Tammany, as usual, "buncoed the dry leaders in framing the prohibition plank of the platform," and though Smith was frank in his message to the convention, his cohorts suppressed it until all the business of the convention had been wound up, and immediately after it was read to the convention Franklin Roosevelt moved the convention adjourn, which shut off debate and only a bare majority being required, the cut-and-dried program went through.

Such betrayal of faith relieves the South of any partisan loyalty, and as so eloquently set forth in your editorial, our consciences and souls demand loyalty to our principles by voting against this wet nominee and creature of Tammany. Thank God! for your courage and devotion to the best interests of the South, and the whole Nation, by your glorious and outspoken call to the sons and daughters of this fair Dixie Land.

JOHN W. SIRLEY,

Former President of Birmingham Chamber of Commerce.

One of North Carolina's Leading Bankers and Manufacturers Heads a "Hoover-for-President Club."

Hoover-for-President Club.

High Point, N. C., July 10.

Editor Manufacturers Record:

It is without doubt true that the professional politicians of our State will try to browbeat all former Democrats into line by election time. They are boasting of that now. Of course, they will threaten to read them out of the party if they took any part in the primary. Of course, they will try to bring up the old negro question again, and in fact, use every possible means to whip them in line.

There will be thousands of people, however, in this State whom they cannot coerce. In fact, there are a great many people who did not take part in the primaries for this very reason. There was a gentleman in my office this morning who is a lifelong Democrat, but he is out and out for Hoover now. This morning's mail brings me several letters of the same character. One man of wealth writes that he expects to vote for Hoover and wants to contribute to the campaign for him.

A very wealthy man, one of the foremost men in our State, telephoned me yesterday on a business matter and after dis-

cussing the question in hand, as I was ready to hang up, he said, "Wait a minute, I just want to tell you I am going to vote for Herbert Hoover," and I joked him by saying his Democratic friends would put him in line before November. His reply was, "Not on your life! I am going to vote for Herbert Hoover and will make public announcement of it at the proper time."

J. ELWOOD COX,

President, the Commercial National Bank.

Indignant at Action at Houston.

Law Offices of James Booth.

St. Petersburg, Fla., July 10.

Editor Manufacturers Record:

As a reader of the MANUFACTURERS RECORD let me commend you very highly for your edition of July 5, especially pertaining to the nomination of Al Smith. Please forward an additional copy; enclosed find 20 cents in stamps. The people of this section are highly indignant at the action taken at Houston and I assure you that you must aid us in every way possible.

Keep up the good work, you have done nobly so far.

JAMES BOOTH.

The Tammany Tiger With All Its Evils Preferred to the Manufacturers Record by This

Good Sister.

Southern Construction and Mill Supply Co.,

Mill Machinery and Supplies.

Houston, Texas, July 6.

Editor Manufacturers Record:

After reading your front page editorial would ask that you discontinue sending us the MANUFACTURERS RECORD, whether our subscription has expired or not. We quit your paper once before when you treated Woodrow Wilson as you did, and we certainly do not want anybody who is as narrow between the eyes as your editorial would indicate sending us any paper. Your slogan, "Give us liberty or death," reminds me of the Christians trying to cut each others' throat, all in the name of Christianity. I feel certain that I would rather be in the hands of New York, Tammany, or anything else than the MANUFACTURERS RECORD.

SOUTHERN CONSTRUCTION & MILL SUPPLY CO.,

(Mrs.) M. A. HAYES.

[If Mrs. Hayes had ever had the pleasure of receiving from President Wilson as many hearty letters of commendation as came to the editor of the MANUFACTURERS RECORD during President Wilson's tenure of office, she would probably count them as the greatest treasure of her life. These letters, couched in the friendliest possible tone, expressed hearty appreciation of suggestions by letter and editorial commendations given to President Wilson's work. The MANUFACTURERS RECORD opposed President Wilson's visit to Europe and his League of Nations, but he was too broad a man to take offense at a newspaper merely because it did not always agree with his views. We submit this suggestion to Mrs. Hayes for her consideration.—Editor MANUFACTURERS RECORD.]

Calls Upon Southern Democrats to Oppose Smith.

Eagle Lake, Texas, July 7.

Editor Manufacturers Record:

As an independent citizen, and as a Democrat, I tender my earnest and sincere compliments and congratulations to the MANUFACTURERS RECORD on the timely and splendid editorial expressions on the so-called Democratic Presidential nomination of A. E. Smith at the Houston convention. The editorials were good and to the point, and are fully approved by good and true Democrats in Texas.

The nomination was a "cut-and-dried" scheme before the

convention, by the Tammany gang of New York. Has it come to pass, as a fact, that this country, as a true democracy, or as a true republic of America, after the regimes of Washington, Monroe, Andrew Jackson and Theodore Roosevelt, shall come down to the control of Tammany interests?

The so-called Democratic convention made a great mistake in nominating Smith as a candidate for President. It was simply the work of a rubber-stamp gang of delegates. I do not favor, and cannot support, the nomination; also, we have many, many good and true Texas Democrats, men and women, who feel the same way. Smith is not a Democrat.

I am a Texas voter and I have said simply this much as an expression of appreciation of your fine editorials on the nomination of Governor Smith. Much more could be said. I hope every man and woman voter in the South will vote for Hoover and Curtis.

ROBERT L. RODGERS.

We Have Not Overlooked the Fact That Justices of the Supreme Court Are Appointed by the President.

Brunswick, Ga., July 12.

Editor Manufacturers Record:

I have been reading in the July 5 issue of the MANUFACTURERS RECORD the two articles on the political situation. They are fine. How did it happen you did not mention that the President appoints the Supreme Court Justices? After the election in November the Solid South will be only a memory, for it is going to be torn to pieces. Then the South will come into its own from both parties. I am a Democrat and I am going to vote for Mr. Hoover. We who have been bred and born with the negroes can handle that question and we do not need Mr. Anybody's help in doing it. We will have none of Tammany Hall or any of its creatures or what it stands for. Of course, there are some who will follow the gang who put the thing over in Texas. Texas must surely have been asleep.

ELLA D. SMITH.

Loves the South Too Well to Vote a Tammany Ticket.

Southeastern Sales Company.

Birmingham, Ala., July 6.

Editor Manufacturers Record:

Your editorial on the cover page of last week's issue hits the nail on the head exactly. As for me, I am not inclined to swallow the Tammany candidate, party or no party. Governor Smith may have the backing of the politicians of the South, but he certainly does not represent the rank and file. Far from it. It is high time we of the South were getting together to assert our independence of the element he represents.

The control of the Democratic party has been wrested from the South and has been lodged in Tammany Hall. It is useless for the people of the South to hope for any good to result from this change. Tammany Hall is good when it is forced to be, otherwise it is rotten to the core. The records show that 75 per cent of the population of New York City is foreign born or born of foreign parents. This element is totally un-American in all their thoughts and deeds. The cherished traditions of our country will be trampled under foot when once this element is in supreme control of the government. The Democratic party of today is certainly not the Democratic party of Jefferson, Jackson or Wilson. When a party gets away from the principles for which it was founded then it is time to assert independence of it and get back to the original principles. I am wondering if the people of the South are going to stand idly by and allow the machine politicians to "sell our birthright for a mess of pottage." Anyone who thinks that Governor Smith is the choice of even a small percentage of the thinking people of the South is lending a deaf ear to that strong under-current of opinion that may reach such proportions it will not only disrupt the Democratic party machine but will likely result in many political funerals. Although for many years a Democrat—and still as good as any of them—I will be unable to vote the so-called party ticket this year. No matter what course others may take I love the South too well to give my assent to its being dominated by interests I consider represent the opposite of everything we hold dear in the South.

O. L. PARRISH, Manager.

A Southerner Gives His Reasons for Voting for Hoover, and Smith's Religion Is Not One of Them.

Court Street Methodist Episcopal Church, South,
John W. Frazer, Pastor.

Montgomery, Ala., July 14.

Editor Manufacturers Record:

Party politicians, together with certain newspapers, are raucously calling to the South to rally to the standard of Governor Smith, Democratic nominee for President of these United States in the year of our Lord nineteen hundred and twenty-eight. They are basing their vociferous demands on the threadbare and spurious pleas of party loyalty, the negro question and religious tolerance. Behold this tri-colored banner frantically waving in the Southern breezes!

But the people of the South, except our incurably hopeful and hungry politicians, are regarding these antics with sullen disgust or amused indifference. For the first time in its history the solid South is cracking, cracking under the blow dealt it at Houston by the Tammany warriors. The history of Southern Democracy is the record of unbroken allegiance to the party. The South, the South alone has never wavered in its support of a Democratic Presidential nominee. Now, as a reward for our historic loyalty we are given the traitor's kiss. We are urged to vote for the most objectionable candidate, the only impossible candidate who could have been named. The South, the driest section of the United States, is asked to vote for the wettest of the wets. Refusal to vote for Governor Smith, we are told by party piehunters, is to commit the sin of "bolting," to lift the negro to political power, to be branded with the livid brand of religious bigotry. Such arguments are as inequitable as they are unoriginal.

The slogan of party solidarity is a moldy crust which the present generation of Southerners has spewed out of its mouth. Political fetishism is becoming more and more distasteful to the new South. The writer of this letter is a man of Southern birth, inheritance, tradition and sentiment. Among my forebears are a member of Jefferson Davis' cabinet, a member of the secession legislature of South Carolina, Confederate soldiers who followed Lee in Virginia and rode with Forrest in Tennessee and Alabama. Yet I expect to vote for Mr. Hoover in November.

Southern politicians who are hoping for crumbs from his table if Smith is elected are conjuring up the bogey of a negroid empire in the South if Hoover is elected. It is humiliating to feel that we are rated at such low mentality even by such bungling students of human affairs as office hunters. We know that the political status of the negro in the South is not affected by Presidential elections. The Southern white man and the Southern negro understand each other, respect each other, have a genuine affection for each other.

Governor Smith has never offered in legislation either as Governor or Mayor to segregate the races in schools, churches, street cars of his State or city. The negro mingles with the whites on "the sidewalks of New York" as freely as he does in the Department of the Secretary of Commerce. Indeed, Governor Smith seems to be playing for certain groups of negro voters as is indicated by the congratulatory message of "Colorado Negro Voters' Advisory Association" to Governor Smith on his nomination, published in the New York Herald-Tribune Monday, July 2: "Your nomination comes to the negroes of America as their second Emancipation Proclamation. The first freed them of manual bondage, the second frees them from political slavery. Colorado's negro voters will give to you and Senator Robinson, in our judgment, at least 80 per cent of their voting strength."

The charge that Southern Protestants object to Governor Smith on account of his religion rather than his wetness is the sheerest nonsense. Senator Walsh of Montana, a co-religionist of Governor Smith, would have been thoroughly acceptable to the dry Protestant South. Many had hoped that he would be the Democratic standard-bearer. And let it be remembered that we Southern Democrats who are going to vote for Hoover are voting to defeat Senator Robinson as well as Governor Smith. Senator Robinson is a Methodist. The writer is a Methodist, who will as joyfully vote against the Methodist Senator as against the Catholic Governor.

JOHN W. FRAZER.

Thinks Smith Will Split the "Solid South."

Jonesboro, Ark., July 14.

Editor Manufacturers Record:

I desire to commend you for your courageous editorial, "A New Declaration of Independence Needed," and your second article, "Governor Smith Is His Own Platform," appearing in the MANUFACTURERS RECORD of July 5.

I think you have correctly interpreted the feelings and attitude of a very large number of Southern voters and, no doubt, other sections of the United States. In the South those who put party allegiance above principle, and some who have been or are prospective party beneficiaries, may be expected to support Governor Smith. Some will refuse to vote at all. However, a large number of outraged thinkers will uphold Mr. Hoover, choosing the Republican party as the lesser evil.

Governor Smith is to be commended for one thing: He is not a straddler. He stated his position on the Prohibition question in advance of the Houston convention and reiterated his objection to the law in his telegram accepting the nomination, notwithstanding the fact the platform carried a dry plank. If press dispatches are dependable, John J. Raskob, who has become chairman of the National Democratic Committee, is also an avowed wet and, in his acceptance of the position, again made clear Governor Smith's determination to have the Prohibition laws changed.

I do not know that one should chide the Governor for his stand. Has he not been tutored by Tammany, and successful in a marked degree in carrying out its mandates? Does not his record, where liquor is involved, speak for itself?

It is, I think, unfortunate for the South that our own Senator Robinson, who has many warm personal and political friends in Arkansas and elsewhere, was placed as the running mate of the Governor. But, even these considerations do not justify support of him, since, by so doing, a vote would be given for the breaking down, if not the final invalidation, of the Eighteenth Amendment and held by many to be of more far-reaching magnitude than the temporary advancement of an individual or party.

So, the hour of parting has come. To some it will be a sad one. To others it will be a sign that the South is pulling away from its old-time "solidity" and, by becoming debatable ground, regardless of the future success or failure at the polls of either of the major parties, greater consideration will be given us than in the past. This view is expressed, not forgetting that, in 1932, when the Democrats of the South seek recognition within the national party, the Tammanyites will not fail to remind us that the opportunity was given in 1928 and we failed to make good with one of our foremost sons, but omitting to assume responsibility for the millstone tied around our neck. This prophecy it will be well to remember.

If I am correctly informed, the estrangement to which I have referred is not confined to dry Protestants. It is said, by those having opportunity to know whereof they speak, that a substantial number of Roman Catholics will not support Governor Smith on account of his stand on the liquor question; for, among those of this faith in the South are many firm believers in the Eighteenth Amendment. This knowledge should forever set at rest the often-made charge that the South is opposed to him on account of his religious affiliation. In fact, propagandist or unwise admirers of the Governor have so often used the expression "intolerance and bigotry," that it has lost its significance, if it ever had any.

My personal opinion is that, if Governor Smith is successful in his race, the damage he will do to the Eighteenth Amendment and the cause of Prohibition will not be removed within the next half century.

E. L. FARLEY.

A Suicidal Thing to Do, Is His Belief.

The First Presbyterian Church.

Tyler, Texas, July 9.

Editor Manufacturers Record:

Just a word to let you know that I indorse in toto your articles in the MANUFACTURERS RECORD on the matter of the action of the Democratic convention in nominating Al Smith. A more inconsistent thing to do and a more suicidal I cannot imagine.

Your words will have tremendous influence at the polls.

ROBERT HILL, Pastor.

Wants Editorials Widely Distributed.

Macon, Georgia, July 6.

Editor Manufacturers Record:

I want to commend you for the thoughts you have expressed in the two articles—"A New Declaration of Independence Needed," and "Governor Smith His Own Platform." If any Southern Democrat can read these two articles and then vote for Al Smith his action is beyond my comprehension. I am going to mail my copy to Bishop Wilson before the meeting at Asheville, and if they will print these two articles in pamphlet form and get them into the hands of the majority of Southern voters there will be no doubt about the result in most of the Southern states. Enclosed find 50 cents in stamps for which please mail me two copies of the July 5 issue.

W. J. WEDDINTON.

Isn't Afraid of Being Read Out of Party.

Eufaula, Ala., July 7.

Editor Manufacturers Record:

The two articles regarding the action of the Democratic party at Houston appealed to me so strongly that I am handing you check to cover one year's subscription to your valuable publication. If we had a few more such periodicals, I am sure our people could be awakened to the danger that confronts the country today. I am a lifelong Democrat, but have now come to the parting of the ways, and refuse to have such things as Al Smith and Tammany literally rammed down my throat. Henceforth I shall try to vote for men and principles instead of party. If that means being read out of the Democratic party, all right, and from the present outlook in this State, I will have plenty of company.

C. M. GAMMAGE.

The Summer Heat Has Evidently Had a Bad Effect on This Brother Who Says We Are "Idiotic and Hypocritical."

Carrollton, Miss., July 15.

Editor Manufacturers Record:

Of course I have learned a good deal and agree with many of the statements made in the MANUFACTURERS RECORD during the past several months, in spite of your high tariff ideas and isolation theories that would do credit to a Manchurian dynasty. I have overlooked all this, but your recent tirade against the Presidential nominee on the Democratic ticket is, in my opinion, so idiotic and hypocritical that I am writing this to ask you to discontinue my subscription to your publication from this date. Please do not mail another copy to me and in this way save yourself an extra copy and provide more room in my waste basket.

S. A. EGGLESTON.

Though a Democrat, He Will Vote for Hoover.

Belcross, N. C., July 11.

Editor Manufacturers Record:

I am enclosing check to cover another year's subscription. I thank you for the many good things appearing from time to time in the MANUFACTURERS RECORD. I regard it as one of the best magazines I can get. I especially commend your two articles, "A New Declaration of Independence Needed" and "Governor Smith Is His Own Platform." I wish we could somehow get both these articles published in every daily and weekly paper in the South. I had already made up my mind to support Hoover, although I am a Democrat, and intend to remain so, but I regard the issues involved as so vital that I do not intend to let party loyalty stand in the way of what I deem my duty to my country and my fellow-man in this hour of supreme struggle between the forces that are seeking to destroy the very foundations of our government and the forces that seek to perpetuate good government.

I realize there are good men and bad men on both sides, but I think Hoover a safer leader than Smith. I shall not be deterred from doing my duty as I see it.

May you keep up the good fight against the evil forces that seek to enslave our people under the false pleas of liberty and tolerance.

JESSE MCCARTER.

IRON, STEEL AND METAL MARKET

General Outlook in Steel Better Than Expected— Buying Heavier—Record in Fabricated Structural Steel Lettings.

Pittsburgh, July 23—[Special.]—This month's steel production will run heavier than is usual for July, commonly the low month of the year. Last month showed a 76 per cent production and last July a 70 per cent production, while this month seems likely to run about half way between these rates.

Steel buying in the last few weeks has run somewhat higher than was expected by sellers. It is widely variegated in character and calls for prompt deliveries. Consumers have no stocks and are not disposed to accumulate any.

A remarkable record was made by fabricated structural steel lettings in the first six months of this year, as officially reported. The first four months ran somewhat ahead of previous records for those months, while May and June were particularly heavy, the net result being that the half year ran 14 per cent above the first half of last year and 11 per cent above the first half of 1926, which had been the record half year. The recent gains run quite counter to the belief in some quarters a few months ago that this being a presidential year would interfere with business. If there were such an influence, it would presumably be observed more in this class of activity than in other lines of steel consumption. Lettings reported in the trade since July 1 have been above the average rate of the first half.

The usual mid-year supplementary rail buying movement has begun, with a total of 65,000 tons reported last week, including 25,000 tons for the Northern Pacific and 8000 tons for the Great Northern. The Norfolk & Western has been inquiring on 37,000 tons. The regular annual orders, placed late last year, totaled about 1,750,000 tons and were nearly all completed by July 1.

While the agricultural implement industry always slows down July 1, it is running on a heavier summer schedule than usual, it being said that operations are the best at this date since 1918. The automobile industry has had less seasonal decrease in production than usual, scarcely any in fact, and by precedent should increase its production next month.

Mills continue at work on the program of endeavoring to raise the market on bars, shapes and plates. Particularly low prices were struck last September, with 1.75c, Pittsburgh, as the open market, and not a little shading below that level. In November, 1.80c was announced as the first quarter price, and later there were other price advance announcements. The actual market did not respond in full, for while 1.90c was announced in February for second quarter it became known that second quarter contracts were made at not over 1.85c, and the same was done last month for third quarter. Now the mills are endeavoring to establish 1.90c as the open market, which would encourage specifications on the contracts, and have already issued statements that they intend to have a 2.00c price for fourth quarter. While the market has not advanced in full accord with the various announcements, it has advanced some, and the further advances talked of will have to take their chances similarly.

There is a little more talk of shading in the sheet market, but it does not appear that prices have actually slipped further, common black sheets being at 2.65c, with galvanized at 3.50c. Galvanized corrugated frequently sells at 3.45c when it ought to be above galvanized flat sheets instead of below. Production of sheets reported by independent mills ran 9.7 per cent higher in the first half of this year than in the first half of last. Total steel production increased less than half as much, and thus the figures quite fail to show the

sheet industry losing to the strip industry, lately become a large factor, as was feared by sheet mills. A fresh effort is being made to raise strip prices.

The general steel outlook for the second half of the year is now much better than it was expected a month or two ago would be the case at this date.

Metals Decline and Advance—American Zinc Institute Is Reorganized.

New York, July 23—[Special.]—Probably if a composite price were made of the metals this composite would be found to be the same as a week ago. Though there have been changes in quotations over the past week, the rises have about offset the declines. The sharpest variation was in tin, which might be expected, since that is the most highly speculative metal. Late in the week prompt tin was selling at 47½c per pound, a recovery of 1½c from the dead level of prices reached the preceding week.

On the other hand declines took place in lead, quicksilver and antimony. The decline in lead was in the East St. Louis district and was merely a readjustment of prices following the cut by \$2 per ton the previous week by the American Smelting & Refining Company, or to 6.20c per pound, New York. The East St. Louis quotation has dropped to 6c per pound, as against 6.05c a week ago. The price of lead ore was marked down \$2.50 per ton to \$80 in the Tri-State district. Quicksilver and antimony dropped more severely at London than here. The former sold at £20 17s 6d, though later recovered 2s 6d, while antimony fell to £39, the lowest so far this year. Silver prices have been steady at slightly under 59c per ounce. Platinum is steadier, following the reduction by \$2 per ounce ten days ago.

The most important news among the metals during the week was that pertaining to the reorganization of the American Zinc Institute. In the first place its functions are to be decentralized, the work to be carried on by sub-committees ruling over prime Western slab zinc, high-grade zinc, acid, lithopone, zinc oxide, etc. In the second place, weekly statistics are to be compiled and passed around among members, though publication will be made but once a month, as before. These statistics are to pertain to production, shipments, stocks, etc., and are much the same style of figures being circulated quietly by the Copper Institute. Members of the zinc industry realize that something drastic must be done to place them on a better paying basis and they believe their salvation lies in a better trade organization, the machinery of which already exists in the American Zinc Institute.

The consumption of much non-ferrous metal this year is accounted for by statistics as to automobile production for the first six months, which was the largest for any half-year except the first part of 1926, and was short of that period by only 160,000 units. Moreover, it is the tendency to use more and more non-ferrous metals in automobile construction, particularly copper, nickel, aluminum and chromium.

Extravagant statistics relative to the copper industry have been so prevalent so far this year that one more batch of figures creates scarcely a ripple in sentiment. The newest figures pertain to world production in June, which was a new high record at 313,262,000 pounds. It is the second month in succession which has broken a record, the May production having been 306,828,000 pounds, the first time the three hundred million mark has been passed.

Cheerful things are still being said about the steel industry, among them being that July business is proving to be the best for this month in years. This, of course, encourages the metal producers, who watch the steel industry very closely. Sheet steel sales in June were even heavier than

production, and that in turn was large. This will mean probably a large consumption of zinc for the production of galvanized sheets.

Business in copper was quiet in the main. Export sales were brisker, however, the average daily sales for the first three days of the week having been 4,500,000 pounds. Domestic business was quiet, but by no means stagnant, most of the orders having been for carload lots for prompt delivery, indicating that copper fabricators had previously not ordered sufficient to take care of their expected needs. Copper producers are making ready to open books for September delivery. Many have practically sold out their August production and it is still with some difficulty that the many small orders for July are filled. Probably the tightness of the situation will exist until after September 1. By that time the increased production which has been shown in recent statistics should have remedied the situation. Prices are steadfast at 14 $\frac{1}{4}$ c, delivered to the Connecticut Valley, and 15c c.i.f. European ports.

Tin started to advance at the very beginning of the week. On one day a gain of 1c per pound was accomplished, the market doing in one day what it had taken several days to accomplish in the way of a decline. The reason for the sudden strength was not clear, there having been no new statistical developments. It was probably the case of shorts deciding simultaneously to cover. On one day 400 tons were sold and the total turnover for the week was about 900 tons. It has become evident that tin consumption this year has been a record for all time. An interesting sidelight as to this gain in tin consumption is the increase in the small can of foodstuffs idea. Canners are putting up thousands of cases of cans of vegetables, fruits, fish, etc., to retail in delicatessens, Woolworth stores and in a new class of shop which specializes in small apartment eatables.

The zinc price is unchanged for another week, at 6.20c, East St. Louis, for July and 6.25c for August. It has been rumored that these prices were shaded a bit.

Small Lot Sales of Pig Iron Increase—Deliveries Heavier—Pressure Pipe Active.

Birmingham, Ala., July 23—[Special.]—Sales of pig iron are still in small lots but are more numerous and deliveries have been increased materially in tonnage. No sales have been consummated as yet for fourth quarter delivery. Price base is still given at \$15.50 per ton on No. 2 foundry iron. Production is unchanged also, nine blast furnaces making foundry iron, six making basic and two special brand iron. Surplus stock of foundry is still considerable, only a small proportion of the tonnage having been removed in the past sixty days.

Melt of pig iron in the immediate district has improved some. Resumption of operations at the radiator shop accounts for 300 tons of foundry iron weekly, besides some scrap tonnage. Increased production of cast iron pressure pipe is also the cause for increased pig iron melt. Some foundries and machine shops are reporting new business and prospects decidedly brighter. For instance, the Joubert & Goslin Foundry and Machine Company has recently received several contracts for heavy sugar machinery to be shipped to Brazil and Cuba and to eastern points in this country. This company is also bidding on some heavy chemical machinery as erection is under way on the large, heavy evaporators built for the gigantic air nitrates concern at Hopewell, Va. It is expected that within a few weeks now machinery contracts will be in hand to warrant full operations of the large shop with the usual labor force of the plant.

The Ensley Works of the Tennessee Coal, Iron and Railroad Company, including the rail mill, which shut down as usual for the Fourth of July for petty repairs and to give

labor a rest, is again in operation. The shop of the American Radiator Company, employing around 400 men and using 300 tons of foundry iron weekly, is also in full operation after two weeks' rest. The Reeves Brothers Company, steel fabricators, have received contracts for 85,000-barrel and 55,000-barrel tanks for oil storage, which will keep them busy for several weeks, 300 men being employed in the shops. Seven thousand tons of steel are involved in the recent orders and other business is in sight. The Reeves Brothers Company came into the district three years ago, the parent establishment being in Alliance, Ohio. The local shop has kept busy right along. Every pound of steel, plate, rivets and what-not on the new business received will be obtained in Birmingham.

At Fairfield the steel mills of the Tennessee Coal, Iron and Railroad Company are going well with demand for plate, sheet and other shapes fairly good. Announcement was made of an advance in structural steel, bars and plates from 2.05 to 2.15 cents the hundredweight, for fourth-quarter delivery. This will have the effect of hastening placing of business.

With the cast iron pressure pipe industry there is an activity which promises to result handsomely. The price base of pressure pipe, advanced \$2 per ton recently, does not appear to have stopped an active market and there are lettings being reported every week. At \$34 to \$35 per ton on six-inch and over sizes, the pipe market appears to be firm, though now and then sales are reported at concessions. Production is steady and the demand for the lighter and stronger pipe continues good. Inquiry shows that though there is much pipe being produced, pig iron for several weeks ahead is not being purchased. These interests are reported to be in the market right along and asking delivery right along. One or two furnace interests admit that sales are being made from week to week. Survey in the district shows that two blast furnaces are being rebuilt, two are being relined and repaired and the second large furnace of the Tennessee Coal, Iron and Railroad Company at Fairfield is ready for the torch. When going good the output will be 600 tons of iron daily.

Birmingham steel fabricators are looking to the big paper mills to be erected in Mobile as possibilities for a large tonnage of steel. By October 1 the 2300 tons of structural steel being fabricated for the paper mill at Tuscaloosa will have been erected. A number of smaller local contracts are being received, a large number of one-story stores being erected about the city, steel being used in all of them.

The coke market is unchanged, foundry coke being held at \$5. By-product coke works are operating in all directions, though the output is not being pressed. There is no surplus foundry coke on yards to disturb the market. A number of contracts have been booked since last month, in most instances for delivery within four weeks. While the market is not as active as it has been at times, it is not altogether slow. Consumption of coke in the home territory is increasing.

In old material, sales of a car or so of various classes of scrap are reported now and then, with deliveries made on old contracts. Quotations are the same, heavy melting steel holding at from \$10.25 to \$10.50 per ton.

Quotations for pig iron and iron and steel scrap follow:

PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$15.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.00; iron of 2.75 to 3.25 per cent silicon, \$16.50; iron of 3.25 to 3.75 per cent silicon, \$17.00; charcoal iron, f. o. b. furnace, \$29.00.

OLD MATERIAL.

Old steel axles	\$17.00 to \$17.50
Old iron axles	17.00 to 18.00
Old steel rails	11.50 to 12.00
Heavy melting steel	10.25 to 10.75
No. 1 cast	14.25 to 14.50
Stove plate	13.50 to 14.00
No. 1 railroad wrought	9.50 to 10.50
Old car wheels	12.00 to 13.00
Old tramcar wheels	12.50 to 13.50
Machine-shop turnings	8.00 to 9.00
Cast-iron borings	8.00 to 9.00
Cast-iron borings (chem.)	13.00 to 13.50

GOOD ROADS AND STREETS

Construction Progresses on Chef Menteur and Rigolets Bridges—Contracts for Superstructures in August.

The progress of construction on the Chef Menteur and Rigolets free bridges on the Chef Menteur highway in Orleans and St. Tammany parishes, Louisiana, is outlined in a letter from J. M. Fourmy, state highway engineer, Baton Rouge. Foundation work at Chef Menteur is about 68 per cent complete, two piers having been sunk to final grade and the three remaining piers in process of sinking, while the concrete piles have been driven for the north approach. Foundation work on the Rigolets bridge is about 10 per cent complete, material having been assembled and five concrete piling driven in addition to test piles.

The Frederick Snare Corporation of New York, is general contractor for the substructures of both bridges and approaches, the contract price being \$944,441. Sub-contracts have been awarded as follows:

Cement—Louisiana Portland Cement Company, New Orleans.

Sand and gravel—Jahneke Service, Inc., New Orleans.

Steel caissons and reinforcing steel—Birmingham Tank Company, Birmingham, Ala.

The Chef Menteur bridge will consist of two 250-foot steel fixed spans, one 270-foot steel wing span and three 33-foot reinforced concrete deck girder spans on each end to rest on precast concrete pile bents. The Rigolets bridge will consist of three 400-foot steel fixed spans, 400-foot steel wing span, three 43-foot reinforced concrete deck girder spans on the south end and fifty 43-foot reinforced concrete deck girder spans on the north. These will also rest on precast concrete pile bents.

The Louisiana Highway Commission will receive bids until August 14 for the superstructures.

City Officials' Division of Road Builders' Association to Study Traffic Problems.

Capt. H. C. Whitehurst has been elected president of the City Officials' Division of the American Road Builders' Association. Capt. Whitehurst became widely known in the engineering field as chief of construction on the Wilson Dam at Muscle Shoals from 1922 to 1926.

The division he heads will be devoted to the study of problems peculiar to city street construction, maintenance and operation, and in virtually every locality these problems are of a somewhat different nature. Capt. Whitehurst states his belief that standards may be created for the cities of the country that will not only be conducive to economy and efficiency, but which may do much towards alleviating many of the more serious problems of traffic congestion and control.

Four committees have been appointed: Organization and Administration; Traffic; Maintenance; and Design and Construction. The first is headed by Capt. Whitehurst. M. O. Eldredge, Washington, is chairman of the Traffic Committee. C. E. Myers, Philadelphia, heads the Committee on Maintenance, and George B. Sowers, Cleveland, is chairman of the Committee on Design and Construction.

\$644,000 Road Bonds Sold by Georgia County.

Columbus, Ga.—Muscogee County has sold a road bond issue of \$644,000 on a bid of \$671,500 presented by E. B. Patrick for the Citizens and Southern Company, Columbus; J. H. Hilsman & Company, Inc., Atlanta, and the National City Company, New York. This sale disposes of the last of the county's road bonds.

Mississippi County Votes \$1,000,000 Road Bonds.

Hattiesburg, Miss.—Forrest County has voted a \$1,000,000 bond issue for road construction, involving 52 miles of state highways, for which it is expected half the cost will be borne by the Federal Government. The bonds will not be sold by the Board of Supervisors, should the next Legislature adopt a State-wide paving program.

Biloxi Bay Bridge to Cost \$737,051.

Gulfport, Miss.—A contract has been awarded by the boards of supervisors of Harrison and Jackson counties to the Fuller Construction Company, Memphis, Tenn., for the construction of the proposed concrete bridge between Biloxi and Ocean Springs, across Biloxi Bay. The structure will be 1.47 miles long and will cost \$737,051.

West Virginia Sells \$1,000,000 Road Bonds.

Charleston, W. Va.—State road bonds totaling \$1,000,000 have been sold to the Mercantile Trust and Deposit Company, Baltimore, and associates at par and accrued interest, with a stipulation that \$355,000 shall bear interest at 4½ per cent and \$645,000 at 4 per cent. Associates of the purchasing company include Baker, Watts & Company, Baltimore; Eldredge & Company, and R. M. Moulton & Company, both of New York.

\$21,340,000 Texas Road Contracts in 18 Months.

Austin, Tex.—Texas has awarded contracts during the past 18 months for 1553 miles of highways to cost \$21,340,000, according to figures compiled by Gibb Gilchrist, state highway engineer. For the first six months of this year contracts were awarded for \$11,400,811 worth of new construction. Of the total cost, \$6,770,231 represents Federal aid; \$6,554,919, State aid, and \$8,025,856 was paid by counties as their share of construction costs. In addition to these expenditures, contracts were awarded for 1056 miles of maintenance work.

Building Big Railroad Bridge Over the Ohio River at Louisville, Ky.

The Louisville-Jeffersonville railway bridge now being built is of single track construction and consists of the viaduct approach in Jeffersonville, Ind.; the river crossing; also the viaduct approach and traction viaduct approach in Louisville. The Louisville approach is used by locomotives only, the traction approach by both locomotives and electric cars.

The Jeffersonville approach is 3296 feet long, the river crossing 2540 feet, the Louisville approach 2100 feet and the traction approach 1862 feet long. All viaduct approaches are of similar construction of deck girders supported on steel towers resting on concrete pedestals and concrete piling. The river crossing, which is about 90 feet above water level, consists of one 210-foot three 550-foot and two 340-foot through truss spans. These spans are to be erected on the existing piers, to be altered and strengthened to support the new trusses.

All concrete and foundation work has been let to the Walsh Construction Company, Davenport, Iowa, who have approximately 35 per cent of their contract completed.

Contract for furnishing, fabricating and erecting new steel and removing the old structure has been let to the McClintic-Marshall Company, Pittsburgh, Pa., who are now fabricating the new steel and expect to start erection this month. Track and decking work will be handled by the railway company with its own forces or contracted later.

NEW AND IMPROVED EQUIPMENT

Loadmaster Swing Crane.

The Loadmaster swing crane, Frederic H. Poor, Inc., New York city, has been designed to meet growing need in the industrial field for a small locomotive type crane of general utility. It is capable of easily handling loads which cannot be advantageously handled by manual labor; which are either too small to justify the installation of large and costly crane units, or loads which, by reason of their location, are not within reach of ordinary hoist service.

The Loadmaster is mounted on an industrial tractor and



THE CRANE IS TRACTOR MOUNTED.

moves from place to place under its own motive power, the power for lifting and swinging loads also being derived through the "power take off" from the tractor engine. It also may be used to haul loads or trailers attached to the tractor upon which the crane is mounted.

Specially weighted wheels are employed at both rear and front to counterbalance loads in suspension from the boom, and broad tires on these wheels sustain the loads without undue tire loading. The frame, on which the mast is located, consists of a fabricated plate and channel structure secured at the rear to the axle-housing of the tractor, and is suspended at the front in such a way as to compensate for irregularities in the floor or roadbed over which the machine travels. The hoisting drum is directly connected to a self-locking worm gear, and is operated from the "power take off," through a clutch and bevel pinions by a control lever within easy reach of the driver. When the drum is not in motion the self-locking worm gear holds the load in suspension on the boom without the use of a friction brake.

The swinging boom is constructed of two steel channels firmly braced together, and equipped with necessary sheaves

and hook weight. The "bull wheel," by which the boom is swung about the mast, is power driven by means of chain and sprocket, and is equipped with an expanding brake of such design that the boom may be controlled in its swing, or, when not under power, be set in any fixed position.

Pontiac Air Compressor.

As described by the Pontiac Tractor Company, Pontiac, Mich., the Pontiac air compressor is a self-propelling, four-wheel unit, combining either the Fordson or the McCormick-Deering 10/20 tractors and the Quincy model W-4 duplex single stage compressor. It is designed to meet the needs of contractors, public utilities, structural steel shops and so on.

The compressor is a 124 cubic foot displacement machine, having a separate radiator for the compressor, with pump driven circulation, a force feed oil system, a three-bearing crankshaft, a Penn unloader and a large air receiver. This



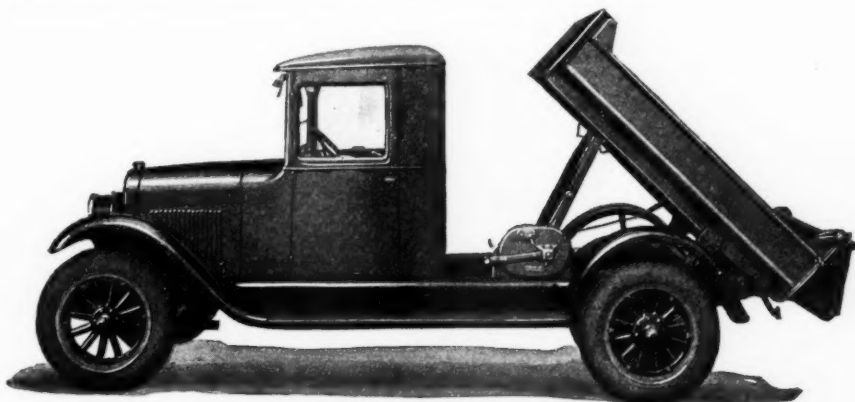
THE COMPRESSOR HAULING A 11-TON LOAD.

unit is so mounted on a frame that it can be attached to any of the above-mentioned tractors in the field in one hour, making a unit capable of hauling other equipment behind itself, plus doing the compressor's duty on the job.

Wood Hand Hoist.

For prospective purchasers of a one-ton dump truck who wish a hand operated hoist, the Wood Hydraulic Hoist and Body Company, Detroit, Mich., has designed and built the new Wood Hand Hoist, which can be mounted on any chassis having frame length back of cab of from 45 to 80 inches. The hoist has no exposed gears, chains or sprockets, and the method of operation is simple.

The motion of the hand crank is multiplied into powerful lifting action by a train of four cut steel gears having machined teeth which revolve a rugged cross shaft to which are attached lifting arms connected to the body. Should the crank be released unintentionally, a safety clutch within the gear case prevents the body lowering under load. Approximately 20 revolutions are required to secure a body elevation of 45 degrees. The body is of all-steel construction, with rounded bottom corners. Tailgate hooks unlatch automatically while the body is being elevated. The body length is 6 feet 6 inches; width, 5 feet; body capacities, 1-1½ or 2 cubic yards. For coal handling there is available the type K coal unit-body having door and chute in tailgate and one swinging partition for split deliveries.



THE HOIST IS EASY TO OPERATE.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airports, Airplane Plants, Etc.

Md., Baltimore—War Dept., Dwight F. Davis, Sec., approved recommendations of Bd. of Army Engrs. granting city permit to construct bulkheads near Dundalk, behind which fill will be made in constructing new municipal airport. 3-8

Md., Baltimore—Allen C. Davis, 121 S. Howard St., and associates will lease building and install machinery for manufacture of light airplanes.

Mo., St. Louis—Parks Airlines, Inc., Missouri Theater Bldg., plans erecting airplane plant, on site adjoining Parks Airport, south of East St. Louis.

N. C., Elizabeth City—Taft Airplane Corp., capital \$100,000, incorporated; L. C. Blades, L. R. Foreman.

Okla., Cushing—Chamber of Commerce interested in establishing airport.

Okla., Idabel—City plans airport; F. H. Taft, Engr.

Okla., Tulsa—Subcontracts for Spartan Aircraft Corp.'s plant let as follows: Crushed stone and sand to Tripp Trucking Co.; brick and tile to Lusco Brick & Stone Co.; American Natl. Bldg., Oklahoma City. 7-12

Tex., Big Springs—Chamber of Commerce interested in establishing airport.

Tex., Gainesville—Kiwanis Club interested in establishing airport.

Bridges, Culverts and Viaducts

Proposed Construction

Ala., Mobile—Mobile County Bd. of Revenue and Road Comms., E. C. Doody, Clk., receives bids Aug. 20 for 205-ft. 6-in. Three Mile Creek Bridge, Telegraph road; superstructure complete in place, except floor, rail, machinery and counterweight conc.; operating machinery, 195 cu. yd. bridge conc.; 29,200 lb. rein. steel, 532 sq. yd. 1½-in. bit. conc. surfacing; substructure, 331 cu. yd. conc., 21,000 lb. rein. steel, 430 cu. yd. excavation. 7-12

Arkansas—State Highway Comn. received low bids for 14 bridges and approaches. See Roads, Streets, Paving.

D. C., Washington—Potomac Freight Terminals Co. propose railroad bridge across Water St. to cost \$200,000. See Buildings Proposed—Miscellaneous Buildings.

D. C., Washington—Arlington Memorial Bridge Comn., Navy Bldg., received low bid from Phoenix Bridge Co., Phoenixville, Pa., \$913,136, for bascule draw span, for Arlington Memorial Bridge; \$19,000 additional for ornamental facade; U. S. Grant, Third, Executive Officer. 6-14

Fla., St. Petersburg—War Dept., Washington, reported, unwilling to give approval to proposal of Dr. H. Simmonds, Jr., 326 E. Eleventh St., and associates, for Tampa Bay Bridge, St. Petersburg to Piney Point. 4-19

Ga., Donaldsonville—War Dept., Washington, approved plans Georgia-Florida Bridge Co. for Chattahoochee River Bridge near Neal's Landing, Seminole County, under State law.

Louisiana—Louisiana Highway Comn., Baton Rouge, will not receive bids July 31 for bridge over Mississippi River at or near Baton Rouge, or for bridge over Red River at or near Coushatta, as recently reported. 4-19, 5-17

La., Shreveport—Caddo Parish Police Jury received low bid from Red River Construction Co., 2404 Fairfield Ave., \$23,925, for underpass, at Kansas City Ry. crossing on

Mooringsport road, received low bid from E. L. Levasseur, 2638 Edgar St., for bridge over Wallace Lake, on Frierson road.

Maryland—State Roads Comn., Baltimore, receives bids July 31 for 2 bridges: Frederick County—triple span rein. conc. arch bridge over Catocin Creek, Jefferson Pike, Jefferson to Knoxville; Cont. F-101; Allegany County—double span rein. conc. girder bridge, over Georges Creek, near Pekin, road from Lonaconing to Westernport, Sta. 525, Cont. A-54.

Md., Baltimore—State Roads Comn., John N. Mackall, Chmn., plans larger bridge over Patapsco River on Annapolis road near Westport; replace Sweetzer's Bridge; engineers preparing plans.

Miss., Hazlehurst—Copiah County Bd. of Supvrs. plans letting contracts in Aug. for several bridges, including iron bridge over Turkey Creek, Dry Creek Bridge. 7-12

Miss., Holly Springs—Marshall County Bd. of Supvrs. plans building 3 bridges and 3 levees: 300-ft. bridge, Byhalia and Colliersville road, Dist. 3; 150-ft. bridge, Byhalia and Wall Hill road, Dist. 1; 50-ft. bridge, Waterford and Potts Camp road, Dist. 5; 300-yd. levee, Chewalla Creek bottom, Dist. 1; 300-yd. levee, Little Coldwater Creek bottom, Dist. 2; ¼ mi. levee across Pigeon Roost Creek bottom district.

Miss., Jackson—Hinds County Bd. of Supvrs. receives bids Aug. 8 to construct piers and repair superstructure on Rose Marie Bridge, across Pearl River, near Terry; W. B. Montgomery, Engr.

Mo., Bagnell—Bagnell Bridge Co., capital \$20,000, chartered; incorporators include Murray McConnell, Eugene H. Southall, 15 Broad St., both New York, and J. L. Sverdrup, Woodhaven, L. I., Ch. Engr. of National Toll Bridge Co. of New York, which is holding company for Bagnell Bridge; will finance and construct toll bridge over Osage River, Bagnell; 250 ft. long, with 3500-ft. approach on south bank of river; \$250,000; company plans bridges across Missouri River at Herman and Liberty.

Mo., Mexico—City, Wabash Ry. Co., R. H. Howard, Ch. Engr., St. Louis, and Chicago and Alton R. R. Co., R. A. Cook, Ch. Engr., Chicago, Ill., plan letting contract in month to widen Clark St. viaduct to 30 ft., and lay 6-in. conc. slab floor.

N. C., Elizabeth City—State Highway Comn., Wm. L. Craven, Bridge Engr., Raleigh, plans letting contract in near future for Pasquotank River Bridge connecting Pasquotank and Camden Counties, at Elizabeth City; rein. conc. deck girder approach spans on rein. conc. precast pile bents, double leaf bascule span for water traffic; \$275,000. 7-12

N. C., Greensboro—See Roads, Streets, Paving.

Oklahoma—State Highway Comn. receives bids for 8 bridges. See Roads, Streets, Paving.

S. C., Anderson—Anderson County, W. H. Shearer, Supvr., receives bids Aug. 9 for 318-ft. rein. conc. bridge across Saluda River, Holliday's Dam, connecting Greenville and Anderson Counties; \$24,000 to \$25,000; H. Posey Dill, Greenville County Supvr.; A. H. Patterson, Anderson County Engr.

Tennessee—Dept. of Highways and Public Works receives bids for 34 bridges and overpasses. See Roads, Streets, Paving.

Tenn., Bemis—Dept. of Highways and Public Works, Nashville, and Illinois Central R. R. Co., A. F. Blaess, Ch. Engr., Chicago, Ill., plan conc. overhead crossing over tracks, State Road No. 5; \$25,000.

Texas—State Highway Comn., Austin, receives bids for 3 bridges, overpass and approach. See Roads, Streets, Paving.

Tex., Amarillo—City considering \$200,000 underpass and viaduct. See Financial News.

Tex., Athens—Henderson County, Grover H. Curlee, Judge, plans .485 mi. grading approaches and overpass over T. & N. Ry., Highway 31, Athens to Murchison; steel and conc.; \$58,000; S. J. Treadway, Res. Engr.

Tex., Brownsville—War Dept., Washington, approved plans Boca Chica Beach Corporation of Brownsville, for bridge across Boca Chica inlet, between Brazos Island and mainland.

Tex., Dalhart—State Highway Comn., Austin, plans bridge across Rita Blanco Canyon, U. S. Highway 54, south of Dalhart.

Tex., Houston—MacDonald Engineering Co., 53 W. Jackson Blvd., Chicago, Ill., low bidder, \$32,740, for Lowell St. Bridge over White Oak Bayou.

Tex., Houston—War Dept., Washington, approved plans Harris County Comms. Court, Norman Atkinson, Judge, for bridge across Cedar Bayou north of Cedar Bayou, under State law.

Tex., Port Arthur—Maj. Milo Fox, Dist. Government Engr., will call second hearing on Sabine-Neches Canal Bridge, connecting Port Arthur and Pleasure Pier, having 200-ft. horizontal clearance, as originally planned; bridge to be built by City of Port Arthur, J. P. Logan, Mayor; Howard, Harrington & Ash, 1012 Baltimore Ave., Kansas City, Mo., Conslt. Engrs. 5-10

Tex., Houston—See Roads, Streets, Paving.

Virginia—State Highway Comn. received low bids for 3 bridges. See Roads, Streets, Paving. 7-5

W. Va., Charleston—Kanawha County Court, R. N. Moulton, Clk., receives bids Aug. 9 for 4 bridges: State Bridge, 1120—superstructure of Lens Creek Bridge, 90-ft. span steel pony truss; State Bridge 1115—superstructure of Slaughter Creek Bridge, 80-ft. span steel truss; County Bridge 101—superstructure of Cobb Bridge, 120-ft. steel truss; County Bridge 103—superstructure of Humphries Bridge, two 40-ft. steel I-beam spans.

W. Va., Clarksburg—Harrison County Court, Maurice L. London, Clk., receives bids Aug. 1 for 40-ft. rein. conc. bridge over Lambert's Run, Eagle Dist.

W. Va., Wheeling—Greater Wheeling Free Bridge Association, A. M. Schick, Pres., 701 Natl. Bank of West Virginia Bldg., organized to promote establishment of toll-free bridge; tentative plans for free bridge between Ninth and Main St., in city, and Zane on Island; advocate election on \$1,000,000 bonds.

Contracts Awarded

Ky., Louisville—Louisville Bridge Comn., Wm. Black, Todd Bldg., let contract to American Bridge Co., Frick Bldg., Pittsburgh, Pa., \$1,915,066, for steel main superstructure, piers 1 to 8, of Louisville-Jeffersonville Highway Bridge over Ohio River; 25,300,000 lb. metal work in superstructure, 2,360,000 lb. heated treated eyebars, 283,000 lin. ft. roadway reinforcing trusses, 340,000 lb. rein. steel, 15,800 sq. yd. conc. roadway, 6300 sq. yd. conc. footwalk, 30 cu. yd. conc. in anchorage wells, 19,000 bd. ft. timber in inspection walks. 7-12

Miss., Port Gibson—Clalborne County Bd. of Supvrs. let contract to Groom & Co., \$7342, for Widows Creek Bridge, Rodney road.

Mo., Carthage—Lists & Weatherly Construction Co., 416 Railway Exch. Bldg., Kansas City, has contract for 2 viaducts

over Frisco and Missouri Pacific tracks, Carthage, and bridge over Spring River at north edge of city.

Okla., Holdenville—City let contract to Austin Bridge Co., 1813 Clarence St., Dallas, Tex., \$49,800, for South Canadian River Bridge, between Holdenville and Atwood.

Okla., Oklahoma City—Maney-Alley & Watson, Oklahoma City, reported, have contract, \$197,000, for South Robinson Ave. conc. bridge; M. Peshek, City Clk. 6-21

Va., Covington—Virginia Bridge and Iron Co., Roanoke, has contract for superstructure of steel Chesapeake and Ohio Ry. Bridge, across Jackson River. Potts Creek Branch to Industrial Rayon Plant; Boxley Bros., Orange, has contract for sub-structure. 5-31

West Virginia—See Roads, Streets, Paving.

W. Va., Clarksburg—See Roads, Streets, Paving.

Canning and Packing Plants

Fla., Frostproof—Frostproof Citrus Growers' Assn. of Florida Citrus Exchange let contract to Simmons & Gifford for constructing plant addition; 60x120 ft., have 6 car capacity precooling system; cost \$15,000.

La., Shreveport—A. C. Steere Co., Inc., Slatery Bldg., plans establishing canning plant, Hollywood Industrial section.

S. C., Beaufort—Davenport Brooks Corp., Fort Pierce, Fla., has acquired 92 acres on Beaufort River; will erect \$100,000 shrimp canning factory.

Tex., Cuero—Chamber of Commerce interested in establishing canning plant.

Coal Mines and Coke Ovens

Ala., Birmingham—Bleaton Red Ash Coal Co., capital \$50,000, incorporated; V. P. Terry, 2600 Lanark Rd.

Concrete and Cement Plants

Fla., Pensacola—Escambia Concrete and Supply Co. erect \$35,000 ready-mixed concrete plant on Gregory St.; will have capacity of 200 cu. yds. daily.

Cotton Compresses and Gins

Ark., Monette—Phoenix Cotton Oil Co. plans erecting cotton gin; 1 story, brick; conc. floor, comp. roof.

Ga., Atlanta—Morris Station Community Center Gin Co., incorporated; J. B. Olive, J. H. Hooks.

Miss., Ellisville—Ellisville Co-operative Gin Co., capital \$10,000, incorporated; C. L. Neil, Amos Jordan; erect plant.

Miss., Richton—Richton Gin Co. erecting electrically operated gin plant; four 80-saw gin stands.

Okla., Duncan—Pratt Gin Co., capital \$10,000, incorporated; J. W. Hite.

Drainage, Dredging and Irrigation

Ga., Savannah—Wm. F. Tompkins, Maj. Corps of Engrs., Dist. Engr., rejected all bids for dredging 282,720 cu. yds. of material in 21-ft. channel extension, Savannah Harbor; received bids June 25.

Miss., Vicksburg—War Dept. has allotted to Dist. Engr. \$20,000 for extension of survey of Red River basin.

North Carolina—Maj. W. A. Snow, U. S. Dist. Engr., Wilmington, announced that War Dept. has approved specifications for 4 ft. of water in Shallotte River from mouth to Shallotte; call bids soon; also approved specifications for 12 ft. of water in Neuse and Trent Rivers at and below New Bern.

Tex., Brownsville—La Feria Irrigation Dist., Cameron County, plans voting on bond issue to provide system of drainage wells and concreting canals of irrigation system.

Tex., Corpus Christi—War Dept., U. S. Engr. Office, Galveston, receives bids Aug. 15 for dredging in Section 2, Channel between Aransas Pass and Corpus Christi. See Want Section—Bids Asked.

Tex., Mercedes—J. W. Monk, Sec. of Chamber of Commerce, advises, farmers have organized an irrigation district and have also voted bonds to make an inventory of assets of American Rio Grande Land and Irrigation Co. in order to later vote bonds to purchase assets of that company and operate irrigation system; engineers now making survey; Dr. E. L. Rothrock is Pres. of Com. investigating value of company's assets. 7-19

Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Alabama—Alabama Public Service Comm., Montgomery, granted permission to Alabama Power Co., Birmingham, to construct approximately 180 miles of transmission and distribution lines, include following: 24-mi. distribution line from intersection of Florence-Huntsville Highway with Wilson Dam road to Rogersville; also distribution system in Rogersville; 58½-mi. transmission line from Linden through Thomasville and Grove Hill to Jackson, also distribution system in Grove Hill; 6-mi. transmission line from Georgiana to McKenzie, also distribution system in McKenzie; 12-mi. distribution line from Childersburg through Harpersville to Vincent, also distribution systems in Harpersville and Vincent; 4-mi. transmission line from sub-station into town of Arab; 31-mi. transmission line from Tuscaloosa to Reform, with 2-mi. branch line running into Gordo, also 17-mi. line from Reform to Kennedy; 23.6-mi. transmission line from Newton to Alabama-Florida State line. 7-12

Ala., Athens—Alabama Power Co., Birmingham, construct 44,000 volt line from Belle Mina to Athens, approximately 12 miles, 2 substations and several miles of 11,000 volt and 2300 volt line; construction work will be done by Alabama Power Co. and Dixie Construction Co.

Ala., Huntsville—City plans new white way system for Holmes St., from Jefferson to Green.

Ala., Mount Vernon—A. B. Jeffries, Citronelle, applied to Public Service Comm., Montgomery, for permission to construct electric power plant and transmission line.

Fla., Sun City—Sun Cities Utilities Co., subsidiary of Southern Industrial Utilities Corp., 475 Fifth Ave., New York, announces acquisition of 5 franchises, including Sun City franchise, covering all territory adjacent to power plant, involving contract for 30 years to supply electricity and water; power line under construction; Ruskin franchise includes supplying power for 30 years in and around city, high power line under construction; Ruskin telephone franchise, serving town, acquired through purchase of controlling stock of Ruskin Telephone, Electric-Light-Power Co.; Wimuna franchise, secured for 30 years, supplying lumber industry, etc.; Hillsborough County franchise granted for 30 years, provides for laying high power line along 40 miles of highway; now negotiating for 3 additional franchises.

Ga., Abbeville—South Georgia Power Co., Albany, Ga., plans to rehabilitate electric distribution system at Abbeville and Rochelle; construct distribution systems in Pitts and Seville, built 11,000 volt transmission line from Cordele through these towns to Abbeville; Georgia Electric and Construction Co., Columbus, has contract for distribution systems in Pitts and Seville and rehabilitation of Abbeville system; company's forces to do other work.

Ga., Augusta—Southeastern Power and Light Co., 120 Broadway, New York, reported, acquired controlling interests in Augusta-Aiken Railway and Electric Corp. and Georgia-Carolina Power Co.; includes Augusta street railway system, Augusta-Aiken interurban trolley system, Georgia-Carolina power plant on Savannah River and electric light plants in 40 Georgia and South Carolina towns; included in 40 power plants operated by Georgia-Carolina Power Co. were those at Louisville, Wrens, Warrenton, Thomson, Harlem, Crawfordville, Lincolnton and Washington, in Georgia, and Aiken, Edgefield in McCormick, in South Carolina; Savannah River Electric Co., subsidiary of Southeastern Power and Light Co. considering erecting \$20,000,000 hydro-electric plant on Savannah River above Augusta.

Ga., Darien—Mutual Light & Water Co., Brunswick, acquired municipal electric light plant; plans improving.

Ky., Paducah—City plans bond election Nov. 6 for constructing municipal light and power plant; Burns & McDonnell Engineering Co., 402 Interstate Bldg., Kansas City, Mo., recently completed survey; cost about \$800,000. 7-19

Louisiana—Directors of American Utilities Co., Harrisburg, Pa., Samuel W. Fleming, Jr., Pres., authorized sale of additional com-

mon stock to stockholders at \$15 per share; company owns through its subsidiaries electric, water, gas and ice properties in Louisiana and Arkansas; upon taking over certain properties now under contract to purchase, company through its subsidiaries will be operating in 87 communities in States of New Mexico, Arizona, Louisiana, Arkansas, Missouri, Kentucky, Tennessee, Delaware, Pennsylvania and New York; proceeds to be used to as part of financing purchase of gas properties in New York, Pennsylvania and Delaware, electric and ice property in Tennessee and electric property in Arizona.

La., Kaplan—Town receives bids Aug. 14 to install machinery and equipment for electric light and water plant. See Want Section—Bids Asked.

La., Tallulah—Louisiana Power and Light Co., 2 Rector St., New York, negotiating for purchase of City's power plant; plans running power line to St. Joseph, from Tallulah.

Md., Queen Anne—Eastern Shore Public Service Co., Salisbury, granted permission by Public Service Comm., Baltimore, to serve towns of Queen Anne and Cordova with electricity; construct lines from Ridgely to Queen Anne to Cordova. 6-28

Mississippi—Mississippi Power and Light Co., Jackson, constructing 13,000 v. transmission line, Jackson to Flora through Pochontas, acquired light plant at Flora; acquired franchise and water and light plant at Charleston, distribution system and franchise in Bude, distribution system and franchise in Bogue Chitto; constructing 10 mile of 13,000 volt line from Brookhaven south to serve Bogue Chitto.

Miss., Oxford—City plans expending \$51,000 for improving lighting system including new power plant building.

Miss., Ripley—Ripley Utilities Co. let contract to Anderson Bros. for erecting building for power plant.

Oklahoma—Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, let contract to Westinghouse Electric & Mfg. Co., Pittsburgh, Pa., for 3 audible type supervisory control equipment to control circuit breakers in Tipton, Duncan Junction and Grandfield Junction substations; control equipment in each substation mounted complete in type "B-1" switch house, with necessary storage batteries, chargers, protective equipment and interposing relays.

Okla., El Reno—City will construct white way.

Okla., Garber—Western Light & Power Corp., capital \$500,000, incorporated; E. E. Miles, V. L. Hedrick.

S. C., Beaufort—Head Water Power Co. applied to Federal Power Comm. for permission to construct dam on Jerico Creek in Beaufort County, ¼ mi. west of Beaufort; dam to be constructed with 20 ft. double gates to permit ebb and flood at low tide with storage capacity at low tide of 47 acres and high tide 298 acres.

Tenn., Nashville—West Tennessee Power and Light Co., H. C. Abell, Pres., 120 Broadway, New York, incorporated in Florida, has filed copy of charter with Secy. of State; will apply to State Railroad and Public Utilities Comm. for permission to acquire 16 plants and power houses in West Tennessee, including electric generating plants and distribution systems in 15 cities and towns of Jackson, Brownsville, Ripley, Mercer, Whiteville, Pinson, Henderson, Medina, Gadsden, Halls, Gates, Henning, Atoka, Munford and Brighton and for lease of electric plant and distribution system at Humboldt; all interconnecting transmission lines extending from northern part of Shelby County to Tippley, Brownsville, Jackson, Humboldt, Pinson, Henderson, Gadsden, Medina, Harris sub-station, between Jackson and Brownsville, Mercer, Whiteville, Ripley, Gates, Covington substation, Brighton, Atoka and Munford, including all sub-stations; electric railway system and gas plant at Jackson, water plants and distribution mains at Ripley, Halls and Henderson; ice plants at Brownsville and other towns; company plans to furnish homes in West Tennessee with electricity.

Tex., Dallas—See Ice and Cold Storage Plants.

Tex., Quanah—West Texas Utilities Co., Abilene, construct 5-mi. transmission line to connect system with 20,000 h. p. generating unit under construction at Lake Pauline, 5 miles southeast of Quanah; line to be of 60,000 volts capacity, steel towers.

Va., Richmond—Marvin Smith, Atty. for Virginia-Carolina Power Co., 318 Mutual Bldg., announced company begin work in October \$3,900,000 dam on Roanoke River 35 miles above Weldon; to be known as

Boyd's Mill development; 35 ft. wall, back water for 20 miles; steel and conc. power with installed capacity of 50,000 h. p.; reported. Viele, Blackwell & Buck, Engrs., 49 Wall St., New York. 6-7

Va., Richmond—Roanoke River Power Co., 318 Mutual Building, reported, soon begin constructing \$10,000,000 hydro-electric plant and dam on Roanoke River near Bugg's Island, 50 miles above Weldon; dam 80 ft. high, create 14,400-acre reservoir; plant to have peak load of 80,000 h. p.; reported. Viele, Blackwell & Buck, Engrs., 49 Wall St., New York. 4-26

Foundry and Machine Plants

Mo., St. Louis—Universal Cutter Co., John B. Gury, Pres., 4567 Scott Ave., let contract to Woermann Construction Co., 1441 Syndicate Trust Bldg., for factory on Skinker Rd. and Clemens Ave., to manufacture cloth cutting machines; 2 stories and basement, brick, rein. conc., fireproof; cost \$60,000; Alfred H. Norrish, Archt., 11 Dartford Place, Clayton. 6-23

S. C., Spartanburg—Standard Looms, Inc., Isaac Andrews, Pres., 519 E. Main St., erect plant for manufacture of looms and complementary machinery. Includes foundry, 350x110 ft., steel frame, metal clad roof; manufacturing and assembling building, consisting of pattern, machine and carpentry shops, and assembly room, 440x142 ft., steel frame, brick walls, wood floors, tar and gravel roof; small buildings for blacksmith shop, pattern storage, small parts storage, boiler plant, dry kilns; Lockwood, Greene & Co., Inc., Engrs., Charlotte. 6-28

Tex., Houston—Parkersburg Rig & Reel Co., 3610 McKinney St., erect \$15,000 branch plant in Esperson industrial block to manufacture oil derrick rigging.

Va., Richmond—Starke Foundry & Mfg. Co. increased capital, \$25,000 to \$50,000.

Gas and Oil Enterprises

Fla., Miami Beach—Charles E. Starr, Miami Beach, and Philadelphia, Pa., and C. P. Holzheimer, care Century Trust Co., Baltimore, Md., applied for gas franchise under name of Miami Beach Gas Co.; plans erecting \$750,000 gas plant and pipe lines; will manufacture water gas; Claude A. Renshaw, City Mgr., advises, Messrs. Starr and Holzheimer are seeking 30 year gas franchise; installation will consist of generating plant and 60 miles high pressure mains to be in operation in 30 months from date of franchise.

Ga., Atlanta—Gate City Oil Co., incorporated; C. D. Campbell, 415 Linden Ave., N. E.

La., Rayville—Mitchell Bros. have contract for laying gas pipe from Rayville field to Sterlington for Magnolia Gas Co., Dallas, Texas; line will run from Alto to Sterlington as one unit and from Sterlington to Sarepta, Shreveport into Texas.

La., Cedar Grove, Br. of Shreveport—Southern Cities Distributing Co., J. Zempa, Sec., will take over for operation gas and distribution system at Cedar Grove, formerly operated by Dixie Gas and Fuel Co.

La., Crowley—Farmers Oil Co. incorporated; John Hoffpauir, B. K. Lambert.

Md., Baltimore—Asiatic Petroleum Co., 65 Broadway, New York, subsidiary of Royal Dutch Shell Co., has acquired tract of 67 acres in Fairfield district, with frontage of 1600 ft. on Patapsco River, as site for \$1,000,000 oil plant and storage tanks; construct 1500-foot bulkhead near shore line, land between to be reclaimed, dredge channel 120 ft. wide and 30 ft. deep. 6-21

Mo., Neosho—City granted natural gas franchise to Empire District Electric Co., Joplin, construct pipe line in about 90 days; Gas Service Co., subsidiary of Empire District Electric Co., will supply gas and operate plant.

N. C., Charlotte—Patrick-Horn Co., capital \$100,000, incorporated; N. M. Patrick, 432 Beaumont Ave.

Tex., Brownwood—Crown Oil Corp., capital \$50,000, incorporated; C. B. Schuler, Rupert Davies.

Oklahoma—Sinclair Pipe Line Co., Sinclair Bldg., Tulsa, owned by Standard Oil Co. of Indiana and Sinclair Consolidated Oil Co., reported, plans \$15,000,000 pipe line, Cushing, Okla., to Chicago district.

Texas—R. W. Evans & Co., 50 Wall St., and Hemisphere Oil Co., New York, acquired fully developed leases "L" and "Q" from Cosden & Co., on Waggoner lands, Wilbarger County.

Texas—Texas Pipe Line Co., Texas Co. Bldg., Houston, let contract to Sheenan Bros. for 8-in. welded line from Dallas to Waxahachie, 33 miles; also let contract to Saigh Engineering Co., Builders Exch. Bldg.,

San Antonio, for 8-in. welded line from Corsicana to San Augustine, 146 miles, to connect with Texas Pipe Line Co.'s Shreveport line to Port Arthur and San Augustine.

Tex., Big Springs—J. S. Cosden, Inc., Fort Worth Natl. Bk. Bldg., Fort Worth, let contract to Foster-Wheeler Corp., 111 Broadway, New York, and Graver Corp., 6000 Todd Ave., Chicago, for 10,000 bbl. refinery. 7-12

Tex., Big Spring—Big Spring Pipe Line Co., capital \$40,000, incorporated; Charles R. Groff, W. M. Petterson, Douglas Hotel; erecting 5000 bbl. refinery. 7-12

Tex., Corsicana—Kent Middleton Refining Co., incorporated; G. C. Kent, C. A. Middleton.

Tex., Eagle Pass—L. E. Troxel construct natural gas distributing system, cost \$75,000; construction by day labor. 7-12

Tex., Jefferson—Marion County Gas Co., George S. Bussard, George H. Beach, receiving bids for pipe line from Waskom via Jefferson to Gilmer, Mount Pleasant and Mount Vernon; work includes ditching, laying, welding and coating 161 miles pipeline comprising main gas line to connect 13 cities and towns.

Tex., Odessa—City granted 30-year franchise to West Texas Gas Co., Amarillo, to supply city with gas.

Tex., Palmer—City granted Lone Star Gas Co., 1915 Wood St., Dallas, franchise to furnish city with gas; company will have system ready by Sept. 1.

Tex., Pecos—West Texas Gas Co., Amarillo, started laying gas mains in downtown section.

Tex., San Antonio—Terrell Hills Co., care A. Steves, Jr., Elizabeth Road, receiving bids for natural gas distributing system and sewers in Terrell Hills Sub-Division; Hare & Hare, Engrs., Huntzinger Bldg., Kansas City, Mo.

Tex., San Saba—City Council granted franchise to Brown Gas Co.; installing gas system for operation at early date.

Va., Petersburg—Stockholders of Petersburg Gas Co. plan meeting July 30 to consider increasing capital stock and create an additional class of preferred stock, consisting of 5000 shares of par value of \$100 each with dividend rate of 6% per annum.

Va., Richmond—City let contract at \$13,250 to Chicago Bridge and Iron Co., Old Colony Bldg., Chicago, for erecting oil storage tank at city gas works.

Va., Salem—Town Council let contract to Roanoke Gas Light Co., Roanoke, for installing gas mains; has franchise.

W. Va., Charleston—Martha Oil and Gas Co., capital \$50,000, incorporated; F. Edwin Mower, Fort Hill Drive.

W. Va., Huntington—Westova Oil and Gas Co., incorporated; F. P. Slack, 819 Sixth Ave.

Ice and Cold-Storage Plants

Ala., Birmingham—Goodwater Ice Co. incorporated; W. J. Rushton, Whitaker Terrace Apts.

Fla., Orlando—Orange Service Co., Inc., 220 Irvin St., erecting ice plant with daily output of 20 tons; 50x70 ft., conc. block and frame construction, conc. floor, built-up roof; W. Cole, Contr.; T. J. Barnett Co., Palatka, will furnish equipment. 7-19

Fla., Pensacola—Beebe Ice Co., Edward S. Beebe, Pres., S. Grandview Ave., Daytona Beach, erect \$80,000 ice plant; daily capacity 40 tons; 1 story, brick, stucco.

Fla., Tampa—Tampa Union Terminal Co., Clyde Perry, Pres., 823 S. Orleans St., erecting cold storage and citrus fruit precooling plant, let sub-contract to Grove-Dowling Hardwood Co., Gulf Hammock, Fla., for oak fenders, docks; to St. Louis Fire Door Co., elevator doors, warehouse; purchasing lumber from Miller Lumber Co., Murphy McDonald Bldrs. Supply Co., Mississippi and Carolina Aves., all of Tampa; Roux Askew Lumber Co., Bartow; hardware, steel, etc., from Knight & Wall Co., Tampa and Lafayette Sts.; Booker & Co., Inc., Morgan and Bell Sts.; cement from Alabama Portland Cement Co., Birmingham Ala., through G. C. Spicola & Sons, 1907 E. Broadway; will receive bids on refrigeration machinery, insulation, electrical work, roofing, plastering and plumbing. 7-19

La., Ponchatoula—X. A. Kramer, McComb, Miss., reported, recently acquired Ponchatoula Ice Co.; plans erecting ice and cold storage plant; 100x200 ft.

Md., Baltimore—Public Service Comm. approved Consolidated Gas Electric Light & Power Co., Herbert A. Wagner, Pres., acquir-

ing Terminal Freezing & Heating Co.; expand operations by utilizing old Pratt St. power house for generating steam to heat down town buildings.

Miss., Biloxi—Mrs. Mary Anticich of Anticich Packing Co. let contract to Manuel & Wetzel for erecting \$65,000 ice plant; 45x100 ft.; will produce 40 tons of ice daily; also erect oyster plant, 35x80 ft.

Mo., St. Louis—Market Development Corp., International Life Bldg., erect \$100,000 cold storage and refrigerating plant; Henschien & McLaren, Archts., 1637 Prairie Ave.

Tenn., Knoxville—Standard Ice Co. erect \$200,000 plant.

Tex., Dallas—Central West Public Service Co., Omaha, Neb., has acquired properties and business of Texas Ice and Cold Storage Co.; company will offer \$2,050,000 first lien collateral 5½% bonds, and additional preferred stock through A. B. Leach & Co., Inc., New York; Halsey Stuart & Co., Inc., Porter, Fox & Co., Inc., both Chicago.

Iron and Steel Plants

Ky., Ashland—American Rolling Mill Co., George M. Verity, Pres., Middletown, Ohio, and Ashland, has acquired Ashland Steel Co.'s plant.

W. Va., Charleston—Trojan Steel Co., 322 South Ave., has acquired buildings and land of former Becker Steel Co. at upper end of South Charleston.

Land Development

Ala., Birmingham—Mason-Douglas Development Co. incorporated; R. H. Brown, 5630 Fourth Ave., S.

Ala., Birmingham—River Ridge Land Co. incorporated; George A. Blinn, American Tr. Bldg.

Ala., Birmingham—Double Oak Mountain Land Co., capital \$10,000, incorporated; W. S. Pritchard, First Natl. Bk. Bldg.

Ala., Birmingham—Tennessee Land and Timber Co. incorporated; R. A. Walker, 15 Norwood St.

Ala., Birmingham—General Land Co. incorporated; E. M. Davis, 1226 Glenview Rd., S.

Ala., Birmingham—C. J. S. Land Co., capital \$20,900, incorporated; Lindley C. Morton, Alabama Power Bldg.

Florida—Alfred R. Nielsen and J. W. Gooding, both Guaranty Bldg., West Palm Beach, have acquired 2500 acres in Martins County south of Indiantown; will develop as big farming operation, specializing in dairy products.

Fla., St. Petersburg—Blue Ridge Co., Inc., chartered; W. A. Chandler, 615 First Ave., N.

Ga., Atlanta—Haralson Co., A. H. Harper, 604 Healey Bldg., will develop subdivision on Highland Ave. near Virginia Ave.

Ga., Columbus—George C. Woodruff Co., capital \$50,000, incorporated; J. Wright Brown, Dimon Court.

Ga., Tate—Sam Tate, H. R. Cannon, Battle Bldg., Atlanta; interested in developing of Tate Mountain Estates, in Pickens County, 8000 acres, for resort; will lay out townsite, golf links, aviation field, driveways, lake, etc.

La., Alexandria—Milling Realty Co., Inc., capital \$25,000, chartered; W. C. Roberts, Earl Roberts.

La., New Orleans—Ranger Land Co., Inc., capital \$183,700, incorporated; Ben. W. Dart, 1837 Palmer Ave.

La., Shreveport—Monrovia Corp., Inc., capital \$50,000, chartered; Mrs. M. L. McCorkle, J. A. Hemler.

La., Tallulah—Hapaca Plantation, Inc., capital \$75,000, incorporated; Jack McCaffrey, Tallulah; T. B. LaCour, St. Joseph.

Md., Baltimore—Park Bd. plans 18-hole golf course at Mt. Pleasant Park, on Hillen Road.

Mo., Marshall—City votes Aug. 14 on \$35,000 bonds for buying and maintaining parks.

Mo., St. Louis—Goodwin Realty and Construction Co. incorporated; D. B. Goodwin, 5243 Delmar Ave.

Mo., St. Louis—Reservoir Park Realty Co., incorporated; A. S. Knapp, 1413 Pine St.

Mo., St. Louis—B. P. Owen Organization, Moline Place, will develop 315 acres in St. Louis County for subdivision.

N. C., Andrews—Andrews Golf and Country Club, capital \$50,000, incorporated; C. R. Tarkington, J. W. S. Davis; will construct golf course and any necessary houses, etc. 11 Queens Road, M. P. Clarke.

N. C., Charlotte—C. P. Edwards, Inc., capital \$200,000, chartered; C. P. Edwards,

N. C., Charlotte—Cole's Retreat, Inc.: E. M. Cole, 608 Central Ave.

S. C., Charleston—Yeamans Hall Land Co., capital \$15,000, incorporated; Straling W. Childs, John Peyton Clark, 19 King St.

Tex., Brownsville—City Comm. plans using about 200 acres of airport site for park and golf course; A. C. Tamm, City Engr., will prepare plans.

Tex., Edinburg—Hill Crest Memorial Park, incorporated; A. Y. Baker, Erin M. McAskill.

Tex., El Paso—L. H. Orndorff, W. W. Norcop, both Republics Bldg., forming corporation to acquire Rim Road, will develop.

Tex., Houston—H. C. Weiss acquired 46 acres of land, about 6 miles west of business district; will develop for country place and will keep stables, swimming pool and lodge.

Tex., Houston—W. A. Paddock, Second Natl. Bk. Bldg., has acquired 611 acre tract at Meadowbrook Farms Addition.

Tex., Kerrville—Julius Real has acquired 1000 acre farm.

Tex., Rotan—Lion's Club and Chamber of Commerce interested in enlarging and beautifying park; will be equipped with swings, sand boxes, athletic fixtures, etc.; also plans polo ground and golf course in connection with park site.

Tex., San Antonio—Altito Development Co., capital \$60,000, incorporated; B. R. Webb, 102 W. French Place.

Va., Ocean View (Sta. Norfolk)—City plans 18-hole golf course.

Va., Petersburg—National Holding Corp., capital \$50,000, incorporated; W. F. Harris, 1770 Brandon Ave.

Lumber Enterprises

Ark., Booneville—C. F. McCormack and B. A. Yocum have acquired Scoggin Lumber Co. to be known as Booneville Lumber Co.

Ark., Kingston—Jack Fulbright acquired site one mile east of Kingston for sawmill.

La., Lake Charles—Krause & Managan, Inc., S. Ryan St., capital \$400,000, chartered; Rudolph Krause, C. M. Managan.

N. C., Albemarle—Stanly Lumber Co., capital \$100,000, incorporated; G. C. Morton, D. J. Hatley.

N. C., Fayetteville—Douglas Mfg. Co., incorporated; R. A. Thompson, H. W. Sidbury.

N. C., New Bern—Neuse Lumber Co. will rebuild burned lumber plant.

Tex., Lubbock—Shelton Oglesby Lumber Co., capital \$15,000, incorporated; Ben Oglesby, R. G. Shelton.

Mining

Ala., Tusculumbia—James C. Blythe, St. Louis, Mo., acquired Cherokee Rock Asphalt Corp., 15 miles west of Tusculumbia.

Ga., Bainbridge—Gulf Refining Co., Port Arthur, Tex., acquired 2500 acres in Decatur County, with 1200 acres in Fuller's earth.

Ky., Leitchfield—W. A. Batten, 1615 Frederick St., Owensboro, and W. O. Krueger, New York, interested in asphalt development in Grayson County; plan acquiring and establishing 7000 acres of asphaltic deposits; \$2,000,000 factory at Louisville or Owensboro. 7-19

Mo., Springfield—Sunshine Quarries incorporated; Edward L. Jarret, 5243 Delmar Ave.

Tex., Dallas—Texas Gravel Co., capital \$30,000, incorporated; Tom L. Tipton, Slaughter Bldg.

Virginia—Eastern Silica & Chemical Corp., John F. Penrose, Pres., Winchester, acquired 188 acres, with glass sand deposits, in western section of Winchester County; will equip mines with modern machinery.

Miscellaneous Construction

Fla., Palm Beach—Lake Worth Inlet Comm. will erect 300-ft. shed to be occupied by Merchants and Miners Transportation Co.; cost \$50,000.

Ga., Warm Springs—Warm Springs Foundation, Inc., Franklin D. Roosevelt, Pres., 55 Liberty St., New York, will construct glass enclosed swimming pool; rein. conc. construction; install heating system; cost about \$35,000; Hubbard & Rogers, Archts., 14 W. Washington St., Chicago; owner builds.

Md., Baltimore—P. C. Streett Engineering Co., Contr., 404 St. Paul St., let following sub-contracts for 2-story merchandise warehouse for Western Maryland Ry. Co., at municipal pier under construction, McComas St.; Struct. steel, Dietrich Bros., 220 Pleasant St.; excavating, Wm. Myers, 2565 W. Lombard St.; slag, Arundel Corp., Pratt St.,

all Baltimore; piles, C. M. Simpler, Felton, Del.; J. E. Greiner & Co., Lexington Bldg., Consit. Engr. 7-19

Miss., Holly Springs—Marshall County Bd. of Supvrs. plans building 3 levees. See Roads, Streets, Paving.

Miss., Vicksburg—Third Mississippi River Dist., P. O. Box 404, let first contract to Wilbanks-Pierce, Inc., Bradenton, Fla., for Mississippi Flood Control Work; dredge and construct levees in Third Mississippi Dist., extending northward from Onward; 800,000 cu. yds. of fill. 6-21

Mo., St. Joseph—U. S. Engr., 707 Postal Telegraph Bldg., Kansas City, plans receiving bids in about one month for retard work at Belmont Bend; cost \$170,000.

Tenn., Memphis—City considering \$1,600,000 bond issue for erecting grain elevator. See Financial News.

Tex., Corpus Christi—City Council plans bond election for improving bay front. See Financial News.

Tex., Galveston—Galveston Wharf Co., George Sealy, Pres., 2324 B St., erect building with about 6 offices and waiting room at Pier 22; also plans constructing about 30 small boat slips at Pier 9.

Tex., Houston—War Dept., Lieut. Col. Julian L. Schley, U. S. Dist. Engr., Galveston, allotted \$88,000 for improvement work width and depth of channel from Turning on upper Houston ship channel; increase Basin to Main St.; call for bids soon.

Va., Fredericksburg—Mannsfeld Hall Country Club plans swimming pool on club grounds in Spotsylvania County.

W. Va., Follansbee—City, Richard G. Bollinger, Clk., receives bids July 31 for incinerator plant. See Want Section—Bids Asked.

Miscellaneous Enterprises

Ala., Birmingham—Phillips Home Building Co., incorporated; Aaron Phillips, 1303 Josephine St.

Ala., Birmingham—Birmingham Engraving Co., incorporated; J. F. Chambers, M. M. Friedman.

Ala., Birmingham—Johnson Woolley Construction Co., incorporated; James E. Woolley, 2030 Ninth Ave., S.

Ala., Sheffield—Sheffield Shirt Co. increased capital, \$20,000 to \$35,000.

Ala., Tuscaloosa—Gulf States Paper Corp. recently organized to succeed E-Z Opener Bag Co. now erecting \$6,000,000 plant at Holt, 4 miles from Tuscaloosa; yearly output 90,000,000 lbs. of finished paper and bags; 3-story bag plant, 280x220 ft.; 3-story paper and pulp plant, 110x280; digester building, 70x90 ft.; recovery building, 165x90 ft.; wood room, 50x50 ft.; power plant, 120x110 ft.; machine shop, 100x100 ft.; store room and office, 80x80 ft.; rein. conc., steel and brick curtain walls, gypsum roof; C. A. D. Bayley & Co., Inc., Contr., Interstate Bk. Bldg., New Orleans; Citizens & Southern Bk. Bldg., Atlanta, Ga.; Wm. E. Spink, Archt., Pere Marquette Bldg., New Orleans; H. S. Taylor, Consit. Engr., Dayton, Ohio; R. E. Hartman, General Manager, United Engineers & Constructors, Inc., 1401 Arch St., Philadelphia, have contract for constructing \$900,000 power plant; including three 1000 h.p. boilers with unit pulverized coal burning equipment and 7500 kw. turbo generator. 6-7

Ark., Fort Smith—Yaffee Iron Metal Co., capital \$100,000, incorporated; Simon Yaffee, 16½ Grand St.

Ark., Ozark—Vessie Kaylor erect cheese factory with capacity of 20,000 lbs. of milk daily; 28x60 ft.

Ark., Springdale—S. L. King, Bentonville, erect cheese factory with capacity of 8000 lbs. of milk per day.

Ark., Wynne—Chamber of Commerce interested in having laundry established here by outside interests.

Fla., Buchanan—J. D. Buky, Palatka, acquired Buchanan Newspaper.

Fla., Everglades—West Coast Shipyards, Inc., incorporated; W. A. Buckner, G. T. Linton.

Fla., Palmetto—Manatee Cannery, Inc., U. S. Mashburn, 3305 Palmira Ave., Tampa, erect cannery. See Want Section—Machinery and Supplies.

Fla., St. Petersburg—St. Petersburg Gas Appliance Co., incorporated; E. S. Lanning, E. F. Sweet.

Fla., Tampa—West Coast Sheet Metal & Roofing Co., incorporated; Oscar Worrell, 705 Azalea St.

Fla., Tampa—Hartline Mfg. Co., capital \$200,000, incorporated; E. M. Lively, Tampa; C. M. Washburn, Kansas City, Mo.; will lease plant of old company, Hartline Blotter Pen

Co.; manufacture self-blotting fountain pens; daily capacity 1000 pens; plans erecting building. 7-12

Fya., West Palm Beach—Wilcox Construction Co., capital \$50,000, incorporated; E. A. Wilcox, J. E. Morgan.

Ga., Atlanta—Southern Spring Bed Co., 290 Hunter St., let contract to Padgett & Sutton, Bona Allen Bldg., for erecting additional story to 2-story building; 100x120 ft., rein. conc.; brick and tile walls, conc. and tar and gravel roofing, conc. floors; cost \$19,000; Hentz, Adler & Schutze, Archts., Candler Bldg.

Ga., Columbus—White Laundry let contract to C. W. Buck & Sons for erecting addition to laundry; 1 story, 100x55 ft., tar and gravel roof; John C. Martin, Archt.

Ky., Harrodsburg—Grain, Feed, etc.—H. T. Adams & Co., capital \$20,000, incorporated; H. T. Adams, William Vandivier.

Ky., Lancaster—Armour & Co., Brook and Main Sts., Louisville, plan establishing cheese factory.

Ky., Louisville—Metropolitan Tile Corp. incorporated; E. D. Wetherton, 167 N. Keats St.

Ky., Louisville—Louisville Pipe Organ Co., 2421 Lexington Rd., increased capital, \$30,000 to \$45,000.

Ky., Louisville—Meyer Baking Co. incorporated; H. S. Meyer, Jr., V. A. Meyer.

Ky., Louisville—Corbett & Head Poultry Co., incorporated; Charles H. Corbett, Archie B. Head.

Ky., Madisonville—U. C. Milk Co., capital \$50,000, incorporated; T. C. O'Bryan, M. K. Gordon.

Ky., Richmond—Armour & Co., Chicago, interested in establishing cheese factory here.

La., New Orleans—New Orleans Concrete Pipe Co., capital \$40,000, incorporated; Hy. P. Egan, Patrick A. Mitchell.

La., New Orleans—Gulf States Terminal and Transport Co., Inc., capital \$135,000, incorporated; Victor H. Smith, 604-07 World Bldg., Tulsa, Okla.

La., New Orleans—Public Contracting Co., Inc., chartered; Edouard C. Carriere, Geo. A. Willie.

La., Shreveport—Constructing—Jasper N. Smith, Inc., capital \$50,000, chartered; Jasper N. Smith, Shreveport; Fred Kelly, El Dorado, Ark.

Miss., Jackson—Union Indemnity Company interests, New Orleans, have acquired through Insurance Securities Co., Inc., Bankers and Merchants Fire Insurance Co.

Miss., Meridian—Milk, Cream, Butter—Meridian Pasteurization Plant, capital \$20,000, incorporated; J. R. King, G. S. Johnson.

Mo., Carthage—Hercules Powder Co., Wilmington, Del., plans \$300,000 ammonia oxidation plant; manufacture nitric acid by improved process for nitro glycerine and nitrate ammonia.

Mo., Jefferson City—John E. Johnson, Morristown, acquired Woolen Mill buildings, will remodel and install machinery for manufacturing springs.

Mo., Kansas City—Electrical Machinery—Duo-Lec Mfg. Co., incorporated; J. Harry Douglas, 419 W. 68th Terrace.

Mo., Kansas City—Eagle Bottling Works, 1912 Walnut St., acquired site at 19th and Cherry Sts., will erect plant; 125x132 ft.; cost \$45,000.

Mo., Sedalia—Dorn-Cloney Laundry Co. will erect \$10,000 building, 215-17 S. Lamine Ave.; 1 story, brick.

Mo., Springfield—Inland Printing Co. let contract to Will W. Johnson, 30 College Street Bldg., for erecting \$50,000 building; 50x270 ft., fireproof; terrazzo floors; Eugene F. Johnson, Archt., 300 McDaniel Bldg. 7-19

Mo., St. Louis—William A. Riley Construction Co., incorporated; William A. Riley, 704 Interdrive.

Mo., St. Louis—Gamble Construction Co., 620 Chestnut St., increased capital, \$50,000 to \$150,000.

N. C., Biltmore—General Building Products Co., capital \$100,000, incorporated; Ralph W. Howe, Hayden Grindstaff.

N. C., Charlotte—Charlotte Coca Cola Bottling Co., 211 N. Graham St., erect \$150,000 bottling plant, W. Morehead St.; Pringle & Smith, Archts., 1010 Norris Bldg., Atlanta, Ga.; plans will be ready about Aug. 15 for distribution.

N. C., Denton—Denton Hardware Co., capital \$100,000, incorporated; J. D. Redwine, J. H. Greer, both Lexington.

N. C., Gastonia—Precision Gear and Machine Co., capital \$25,000, incorporated; B. A. Smith, W. C. McGee.

N. C., Smithfield—Mechanical Painting Machine Co., capital \$100,000, incorporated; E. L. Thompson, D. J. Holleman.

N. C., Winston-Salem—Goreel Co. will erect addition and remodel building, 433 N. Trade St., occupied by Tucker Hardware Co.

Okla., Norman—Y. W. Foundation Co., incorporated; Dr. W. B. Bizzell, Mrs. Nell R. Johnson.

Okla., Tulsa—LeFlore-Poteau Coal Co., capital \$100,000, incorporated; Norton Schuyler, Clinton.

Okla., Tulsa—Zig Zag Sandwich Shop increased capital to \$50,000.

Okla., Wewoka—Elmer Work, S. S. Orwig and others considering organizing of manufacture of electrical fixtures.

S. C., Columbia—Clausen's Bakeries, capital \$150,000, incorporated; J. C. Henry Clausen, Euclid Clausen.

S. C., Greenville—Sullivan-Freeman Hardware Co., capital \$100,000, incorporated; W. W. Sullivan, W. E. Freeman, 409 Townes St.

S. C., Orangeburg—Orangeburg Coffee Co., capital \$10,000, incorporated; S. W. Danner, Marion H. Felder.

Tenn., Bearden—Baum's Home of Flowers will erect 5 greenhouses, 300x42 ft.

Tenn., Knoxville—City has low bid at \$22,000 from Terrell Electric Co., 715 Cherry St., Chattanooga, for installing synchronized electric signal system at 22 intersections in business section.

Tenn., Memphis—Krause & Co., H. M. Rosenthal, Pres., 726 Madison St., erect cleaning plant addition, 720 Madison Ave.; 3 stories and basement, rein. conc., comp. built-up roof; Jones & Furbringer, Archts., 110 Porter Bldg.; Gardner & Howe, Engrs., Porter Bldg.

Tenn., Memphis—Fire Doors—F. L. Saino Mfg. Co., 66 W. Colorado St., increased capital to \$30,000.

Tenn., Pulaski—Chamber of Commerce interested in constructing swimming pool.

Tex., Amarillo—McFadden Engineering Co., Inc., incorporated; G. W. Whitsitt, Gayle McFadden.

Tex., Amarillo—Hicks Rubber Co., 112 W. Sixth St., increased capital \$25,000.

Tex., Beaumont—Munro Dry Cleaning Co., capital \$20,000, incorporated; W. H. Munro, 1208 Washington St.

Tex., Corpus Christi—Jack W. Bonner let contract to Fred W. Townsend, Palace Theater Bldg., for erecting second-story addition over Gulf Coast Printing Co., 415 Peoples St., to be occupied by printing and office furniture concern; brick, tile, 50x50 ft.

Tex., Dallas—Southwest Ticket & Coupon Co., capital \$50,000, incorporated; Charles S. Mitchell, A. B. Webb.

Tex., Dallas—Cabell Engineering and Creamery Machinery Co., incorporated; Ben E. Cabell, Jr., Republic Bank Bldg.

Tex., Dallas—R. R. Contrs.—Gifford-Hill & Co., Inc., N. Texas Bldg., increased capital, \$450,000 to \$550,000.

Tex., Fort Worth—Texas Highways Publishing Co., capital \$25,000, incorporated; William T. Wheeler, Ft. Worth Natl. Bk. Bldg.

Tex., Houston—Wackman Welded Ware Co., Sawyer St., plans erecting \$50,000 factory; 1 story, brick, tile, terra cotta.

Tex., McAllen—Suttle Construction Co., incorporated; Minta Suttle, Celia M. Gray.

Tex., San Antonio—Mrs. Emmy Dittman let contract at \$27,790 to Ed. W. Oeffinger, Builders Exch. Bldg., for erecting creamery; 60x107 ft., 1 story, rein. conc., brick and tile construction; Herff & Jones, Archts., San Antonio Loan & Trust Bldg.; M. L. Diver, Engr., Calcasieu Bldg.

Tex., San Antonio—Alamo Paint & Varnish Co., 1115 W. Commerce St., has low bid at \$23,397 from A. E. Rheiner for erecting building; 2 stories, brick, conc.; Seutter & Simons, Archts., both Builders Exchange Bldg.

Tex., San Antonio—Milam Building Co., 101 W. Travis St., increased capital to \$1,000,000.

Tex., Sinton—City will install modern fire alarm system.

Tex., Weslaco—Texas Seed Co., incorporated; I. R. Stahl, Frank Wagner.

Tex., Weslaco—Ebony Hurst Dairy, care George & Grant Morrison, erecting \$14,000 building; R. Newell Waters, Archt.

Tex., Yoakum—H. D. Meister, publisher of Herald, acquired building, will remodel and erect addition.

Va., Charlottesville—Falles-Burrage Construction Co., capital \$50,000, incorporated; G. T. Falles, J. H. Burrage.

Va., Harrisonburg—Lee Baking Co., subsidiary of Columbia Baking Co., Atlanta, Ga., acquired in Harrisonburg, Winchester, Covington and Charlottesville baking plants of Beck Baking Corp., Winchester.

Va., Norfolk—Life-Boat Equipment Corp., capital \$25,000, incorporated; Geo. W. P. Overman, 911 Sheldon Ave.

Va., Pulaski—Aborn Shirt Mfg. Co. receiving bids for erecting shirt factory; 1 story, 100x140 ft.

W. Va., Beckley—Better Homes Service Inc., increased capital, \$10,000 to \$25,000.

W. Va., Philippi—Waddell Fuel Co., capital \$50,000, incorporated; A. G. Waddell, A. S. Hawkins.

W. Va., St. Albans—Sunset Gold Packing Co., capital \$25,000, incorporated; M. G. Campbell, Virgie Campbell.

Motor Bus Lines and Terminals

Ky., Pineville—Harbell Coach Co., capital \$60,000, incorporated; A. Kinser, H. C. Farmer.

Miss., Jackson—Smith Motor Coach Co., E. E. Coger, Mgr., Jackson, establish bus service from Jackson to Corinth, Miss., Selmer being relay and junction for service to Nashville and Memphis.

Motor Cars, Garages, Filling Stations

Ala., Birmingham—Smithfield Auto Exchange, incorporated; J. P. Duncan, V. Freeman.

Ala., Mobile—Powell-Feeks-Duval Realty Co.; auto storage garage and office bldg., 100 N. Royal St.; 3 stories, \$175,000; offices on 2 upper floors. (See Buildings Proposed—Bank and Office.)

Ala., Tuscaloosa—Duckworth-Morris Co. let contract to Waddell & Laycock for constructing garage; brick, conc., 2 stories and basement, 110x132 ft.; C. M. Ayres, Archt.

Ark., Blytheville—Harry H. Brown erect \$15,000 filling station, Fifth and Main Sts.; 1 story, brick veneer, stucco; H. A. Lesmeister, Archt., Jonesboro.

D. C., Washington—Skinker & Garrett, 1416 F St., has contract for erecting filling station; 1 story, brick; A. S. J. Atkinson, Archt., 3801 Macomb St.

D. C., Washington—Leeth Bros., 1307 L St., N. W., erect \$40,000 building for tire shop, 1218-20 13th St.; 2 stories, brick, tile, conc.; Joseph Baumer, Archt., 1212 Otis St., N. E.; Wardman Construction Co., Contr., 1437 K St., N. W.

Fla., Eustis—Eustis Buick Co., capital \$25,000, incorporated; D. M. Vaden, Maxine Vaden.

Ga., Thomasville—Dr. W. B. Cochran let contract to Joe M. Buettel for \$20,000 garage and show room; 1 story and basement, brick, tar and gravel roof.

Ky., Harlan—Roberts Motor Co. incorporated; C. P. Roberts, J. M. Roberts.

Ky., Louisville—Dependable Tire Service incorporated; James E. Tierney, 2045 Douglass Blvd.

Ky., Louisville—Leo Ulrich, 2001 W. Jefferson St., erect \$12,000 garage, 234 E. Liberty St.

La., Shreveport—Adolphus, Inc., receives bids July 27 for erecting \$65,000 garage, 520 Edwards St.; following contractors estimating: Glassell-Wilson Co., 501 Texas St.; K. C. Wilson, Werner Co., Inc., Commercial Bk. Bldg., and B. Hand Construction Co.; Clarence W. King, Archt., Giddens-Lane Bldg.

La., Shreveport—Dixie Motors Co., Inc., capital \$40,000, chartered; Francis J. Keller, Edw. D. Finley.

Mo., Jefferson City—Central Missouri Motor Co. incorporated; E. C. Bailey, Frank Robinson.

Mo., Clayton, Br. of St. Louis—Harris Chevrolet Co. incorporated; William S. Harris, Richard Heights.

Mo., Kansas City—Dial-Walsh Motor Co. incorporated; Edward F. Walsh, Jr., Joseph M. McCune, Land Bk. Bldg.

Mo., Louisiana—Ebert Motor Co., incorporated; E. R. Ebert.

Mo., Springfield—Dahl Oldsmobile Co., incorporated; Paul M. Dahl, 520 S. Jefferson St.

Mo., St. Louis—Ayres Automobile Co., 4706 Washington St., acquired site at Eighth St. and Cass Ave., will erect building; Edward Steininger Construction Co., Contr., 4829 Easton St.; Aegerter & Bailey, Archts., Railway Exch. Bldg.

Mo., St. Louis—Weinberg & Weinberg Realty Co., 809 Chestnut St., interested in

building 12-story garage, Ninth St. and Lucas Ave.; cost \$700,000.

Mo., St. Louis—Johnson Automobile Co., W. L. Johnson, Pres., 3667 Olive St., plans garage.

Mo., St. Louis—Ayres Automobile Co. acquired site at Eighth St. and Cass Ave.; will erect building; 2 stories, 100x130 ft.

N. C., Hendersonville—Raebon Tire Co., incorporated; J. H. Raebon, F. H. Lewis.

N. C., San Antonio—Haines-Flagherty Tire Co., 442 Main Ave., erect filling station, Lexington and Euclid Sts.; 1 story, stucco, brick; Phelps & Dewees, Archts., Gunter Bldg.

N. C., Wilmington—J. Miller will erect filling station on northeast corner of Fourth and Red Cross Sts.; to be occupied by Texas Co.

Okla., Oklahoma City—Oklahoma Hotel Building Co., capital \$1,500,000, incorporated; C. F. Colcord, Pres., 421 W. 13th St.; W. T. Hales, V. Pres., First Natl. Bank Bldg.; will erect \$3,000,000 hotel and auto hotel building, 22 stories, auto addition 10 stories, with convention auditorium on top floor; will begin construction soon.

S. C., Charleston—Master Auto Repair Co., incorporated; Arthur L. Way, 67 Reid St.

S. C., Columbia—Columbia Petroleum Co., 703 Lady St., erect brick and tile service station, 400 Gervais St.

Tenn., Knoxville—Chandler & Co. erect \$55,000 garage, Depot Ave. and Connor's Alley; A. H. Whisman, Contr., 422 Front St.

Tex., Abilene—Devours-Ware Co., Dallas has acquired Shelton Motor Co.

Tex., Abilene—Yellow Cab Co., incorporated; D. A. Winter, W. A. Winter, Jr.

Tex., Amarillo—Packard Amarillo Motor Co., capital \$15,000, incorporated; Truman Vineyard, 1700A Taylor St.

Tex., Ballinger—Healer Chevrolet Co., capital \$25,000, incorporated; T. J. Williams, D. Charles Clarke.

Tex., Cuero—J. Laake erect filling station, Victoria Rd.

Tex., Dallas—Texas Waverly Oil Co., 2400 Myrtle St., erect warehouse and filling station 50x60 ft.

Tex., Dallas—A. & K. Auto Top Paint Co., capital \$25,000, incorporated; Walter Asmusen, 1006 Waverly St.

Tex., Del Rio—Del Rio Motor Transportation Co., incorporated; Walter F. Jones, Robert M. Lyles.

Tex., Dilley—L. B. Alford has low bid at \$10,217 from J. M. Eichholtz for erecting service station and store building; 1 story, stucco, rein. conc., brick; Adams & Adams, Archts., Builders Exchange Bldg., San Antonio.

Tex., Dilley—Midway Garage increased capital to \$20,000.

Tex., Hillsboro—Davenport Chevrolet Co., capital \$12,000, incorporated; Eugene Davenport, Lizzie Bell Davenport.

Tex., Houston—Phenix Dairy, Polk and Smith Sts., plans erecting garage, 209 W. Dallas St.

W. Va., Princeton—Spangler & Huffman Auto Co., incorporated; J. P. Huffman, H. E. Spangler.

Railways

Md., Baltimore—Interstate Commerce Comm. authorized Pennsylvania R. R. Co., E. M. Temple, Ch. Engr. (Eastern Region), Philadelphia, Pa., to acquire control of Baltimore & Eastern R. R. Co. by purchase of its capital stock; line extends from Love Point to West Denton, Md.; also operates boat line between Baltimore and Love Point.

Missouri—Missouri Southern R. R. Co., J. A. Fremon, V. Pres., Leeper, plans extending railroad tracks from Hobert, line west of Leeper, into large tracts of virgin pine and oak timber land in Ozarks.

Tex., Borger—Phillips Petroleum Co., Bartlesville, Okla., reported, constructing railroad line in Texas Panhandle to market carbon black from plant in section 16 block Y, Hutchinson county, to Borger, about 4 miles long; cost \$35,000.

Tex., Houston—Texas and New Orleans R. R. Co., R. W. Barnes, Ch. Engr.; International Great Northern R. R. Co., C. S. Kirkpatrick, Ch. Engr., Missouri-Kansas-Texas R. R. Co., F. Ringer, Ch. Engr., St. Louis, Mo.; Gulf, Colorado and Santa Fe Ry. Co., F. Merritt, Ch. Engr., Galveston; St. Louis, Brownsville and Mexico Ry., F. G. Jonah, Ch. Engr., St. Louis, Mo.; Trinity and Brazos Valley Ry. Co., G. H. Peter, Engr., Houston, have applied to Interstate Commerce

Comm. for permission to take over 58 mi. of terminal tracks in or near Houston, now operated by Harris County-Houston Ship Channel Navigation District; new company to be known as Port Terminal Railway Co., will be incorporated to operate.

Railway Shops and Terminals

D. C., Washington — See Buildings Proposed—Miscellaneous Buildings.

Va., Richmond—Bd. of Directors of Chesapeake and Ohio Ry. Co., W. J. Harahan, Pres., Richmond, Va., authorized \$21,144,724 expenditure for improvements throughout system. Involves \$9,635,000 expenditure at Huntington, W. Va., including \$3,500,000 for locomotive repair shops extensions, \$235,000 for hospital and \$5,900,000 for additional main line tracks; improvements in Richmond shops, \$1,000,000; new roundhouse at Ashland, Ky., \$500,000; additional shops and track improvements at Clifton Forge, Va., \$1,000,000; \$1,260,000 for shops and tracks to be spent at Hinton, W. Va.; \$2,300,000 will be spent on new engine terminal at Cincinnati, Ohio, and various other improvements, including depots, elimination of grade crossings, etc.; company will apply to Interstate Commerce Comm. for authority to capitalize past expenditures for improvements for purpose of reimbursing company's treasury, work will proceed on improvements as soon as permission is obtained.

Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

Proposed Construction

Ala., Birmingham—Jefferson County Bd. of Revenue receives bids soon for 1 mi. paving in Tarrant City; C. J. Rogers, County Engr.

Ala., Gadsden—City Council plans about \$18,000 street paving.

Ala., Mobile—County Bd. of Revenue and Road Commrs., A. D. Davis, Chmn., plans receiving bids to gravel road from Telegraph road to site of International Paper Co.'s \$5,000,000 plant.

Ala., Roanoke—City, B. C. Jones, Mayor, received low bid from Richardson Trading Co., Blossburg, Ala., for 14,000 sq. yd. plain conc. paving, grading, sidewalks, curb and drainage.

Arkansas—State Highway Comm., Little Rock, received low bids for 22 roads, about 175 mi., 14 bridges and approaches, \$1,859,001; Lee County—9 mi. grading, draining, Clarendon-Marianna road, State Highway 3, S. K. Jones Construction Co., Cotton Exch. Bldg., Memphis, Tenn., \$37,721; Cross County—drainage structures, Wynne-North road, Highway 1, Gray & Hardeman, Minden, La., \$13,987; Jefferson County—10 mi. grading, draining, Dollarway (Pine Bluff-North) road, Highway 65, Arkansas General Construction Co., Little Rock, \$56,018; Lafayette County—5½ mi. Bradley-Louisiana State Line road, Highway 29, Sam B. Boyd, Columbia, Miss., \$19,757; Hempstead County—9 mi. gravel surface, Washington-Nashville, Highway 4, F. U. Halter & Sons, Conway, \$12,420; Nevada County—8 mi. gravel, Prescott-Bluff City, Highway 24, F. U. Halter, \$11,178; Sebastian County—9½ mi. conc., Fort Smith-Charleston, Highway 22, A. A. Davis & Co., City Bank Bldg., Kansas City, Mo., \$160,146; 13½ mi. crushed stone surface, Greenwood-Booneville, Highway 10, T. L. Thogmartin & Son, Fort Scott, Kan., \$34,655.

In Washington County—10½ mi. gravel surface, Fayetteville-Prairie Grove, Highway 45, F. U. Halter, \$17,353; Sharp County—5 mi. grading, draining, Hardy-Williford road, Highway 63, Hinson Bros., Muskogee, Okla., \$62,997; Stone County—8 mi. grading, draining, Red Stripe-Locust Grove, Highway 14, Cook & Ransom, Ottawa, Kan., \$67,227; Izard County—7½ mi. Melbourne-Sylamore, Highway 9, Hinson Bros., \$100,276; Saline County—8 mi. gravel surface, Newton-Grant County line, Highway 35, F. U. Halter, \$12,409; Dallas and Ouachita Counties—10 mi. grading, draining, Holly Springs-Eagle Mills, Highway 9, Bradley & Tolbert, Sheridan, \$63,125; Union County—7 mi. El Dorado-Moro Bay, Highway 15, J. G. Newkirk, Mount Holly, \$46,481; Ouachita-Columbia-Union Counties—11 mi. grading, draining, gravel surface, Stephens-Mount Holly, Highway 57, J. G. Newkirk, \$82,231.

In Union County—¼ mi. conc. Smackover-Camden road, Highway 167, Philpot Construction Co., 116 Chestnut St., Pine Bluff,

\$7743; Perry County—6 mi. Perry-Owensville, Highway 9, E. A. Luck, 403 Rialto Bldg., Kansas City, Mo., \$45,887; Boone County—13 mi. Harrison-Lead Hill, Highway 43, Altman-Rodgers Co., Oklahoma City, \$75,186; Marion County—3 mi. grading, approaches to Crooked Creek Bridge, Flippin-South road, Highway 101, North Arkansas Construction Co., Yellville, \$10,563; Jefferson-Grant Counties—11 mi. grading, draining, Dollarway (Pine Bluff-North) road, Highway 55, Arkansas General Construction Co., \$80,379; Clay County—1½ mi. conc., Corn-ing-Reyno, Highway 67, Philpot Construction Co., \$232,641; Bridges: Cross County—492 lin. ft. treated timber pile bent bridges, Wynne-North road, S. K. Jones Construction Co., \$14,986; Drew County—824 ft. bridges, 1121 ft. earth embankment, Monticello South and West road, J. G. Newkirk, \$26,098.

In Miller County—100-ft. rein. conc. deck girder bridges, Texarkana-Sulphur River road, Reynolds & Sutton, Tyler, Tex., \$29,150; Montgomery County—171 lin. ft. rein. conc. bridges, 1832 lin. ft. earth embankment approaches, Hot Springs-Glenwood road, Cook & Ransom, Ottawa, Kan., \$21,350; Hot Springs County—250 lin. ft. rein. deck girder bridges, Mismarck-North and South road, C. H. Atkinson Paving Co., Chillicothe, Mo., \$24,414; Garland County—1182 lin. ft. rein. conc. Highway bridge, and approaches, over Ouachita River, Arkadelphia-Hot Springs road, Koss Construction Co., Des Moines, Iowa, \$220,750; Saline County—1,533 lin. ft. rein. conc. bridges and culverts, 878 lin. ft. earth embankment, Benton-Malvern road, M. E. Gillioz, Monett, Mo., \$97,764; Bradley County—905 lin. ft. treated timber pile bent bridges, 447 lin. ft. earth embankment approaches, Hermitage-Moro Bay road, House & Treadwell, Carthage, Ark., \$22,784.

In Union County—216 lin. ft. treated timber pile bent bridges, Mount Holly South road, J. G. Newkirk, \$5500; Logan County—857 lin. ft. timber, steel and conc. bridges, Booneville-Sanatorium road, Arkansas General Construction Co., \$34,266; Yell County—462 lin. ft. conc. and timber bridges, 838 lin. ft. earth embankment approaches, Ola-Dardanelle road, Altman-Rodgers Co., \$39,819; Logan County—532 lin. ft. steel and rein. conc. bridges, 2528 ft. embankment approaches, Charleston-Dardanelle, Altman-Rodgers Co., \$47,355; Madison County—287 lin. ft. wire rope suspension bridge, timber deck over Kongs River, Kingston-Marble road, Williams & Williams, Batesville, \$13,527; Poinsett County—83 lin. ft. steel and 81 ft. timber bridges, 286 ft. earth embankment approaches, Harrisburg-West road, McCartney, Melville & Lamkins, Newport, \$20,345.

Ark., Brinkley—Bd. of Commrs. Street Improvement Dist. 1, plans grading, draining, curb, gutter and paving 8 streets, including Main, Hemlock; \$178,000; Lund Engineering Co., Little Rock.

Ark., El Dorado—City, Jake R. Wilson, Mayor, considering 3000 ft. paving on North West Ave.

Ark., Magnolia—Bd. of Commrs., Street Improvement Dist. 2, A. R. Buffington, Chmn., plans receiving bids to grade, drain, curb, gutter and lay 10,000 sq. yd. rein. conc. pavement, Jackson St.; \$35,000; J. W. Haynes, Engr., Ouachita Hotel Bldg., Camden.

D. C., Washington—Dist. Commrs. receive bids Aug. 3 for 50,000 sq. yd. conc. roadway; plans paving Sixteenth St., N. W., Alaska Ave., Kalmia road.

D. C., Washington—Dist. Commrs. receive bids July 30 to surface roadway of Highway Bridge, with sheet asphalt or alternate.

Fla., Coconut Grove Sta., Miami—R. G. Lassiter & Co., N. W. 22d St., Miami, low bidder to pave South Bayshore Drive: conc., \$57,033; sheet asphalt, \$55,938; cold sheet, \$55,085.

Fla., Miami—City, Ernest Cotton, Dir. of Public Service, receives bids Aug. 6 to pave 8 streets.

Fla., St. Petersburg—City, R. E. Ludwig, Dir. of Public Utilities, plans completing paving Seventh St., Eighteenth to Twenty-second Ave.

Fla., St. Petersburg—City Comm. plans widening Central Ave., Sixty-third to Park St.; paving various streets.

Ga., Atlanta—City, I. N. Ragsdale, Mayor, plans widening Peachtree St., 40 to 50 ft., from Peachtree Place to Pershing Point; Fulton County plans paving street in near future.

Ga., Savannah—City considering widening Bay St. west of Broad St.

Kentucky—State Highway Comm., Frankfort, received low bids for bit. surface treatment on 31 roads: Group 1—Spencer-Henry

Counties—F. G. Breslin, 2615 Crop St., Louisville, \$29,122, using oil, \$30,440, using tar; Group 2—Campbell, Pendleton, Harrison Counties, Eaton Oil Works, Covington, Ky., \$47,607, for oil, \$49,611, tar; Group 3—Mason, Bourbon Counties, Southern Oil and Tar Co., Clay St. and River Road, Louisville, \$43,163, oil, \$45,143, for tar; Group 4—Scott, Woodford Counties, Southern Oil and Tar Co., \$24,921, oil, \$26,083, tar; Group 5—Fayette County, Carey-Reed Co., Guaranty Bank Bldg., Lexington, \$47,982, oil, \$51,228, tar; Group 6—Clark, Madison Counties, Kentucky Road Oiling Co., Frankfort, \$54,818, oil, \$57,063, tar; Group 7—Jessamine, Boyle, Garrard Counties, R. B. Tyler Co., 114 S. Fourth St., Louisville, \$36,345, oil, \$39,651, tar; Group 8—Pulaski County, Southern Oil and Tar Co., \$26,116, oil, \$27,309, tar; Group 9—Laurel, Rockcastle Counties, R. B. Tyler Co., \$22,966, oil, \$25,430, tar. 7-12

Ky., Louisville—Jefferson County plans connecting road, from Newburg road to Poplar Level road; Merritt Drane, County Engr.

Ky., Louisville—Bd. of Public Works, Forrest Moss, Sec., receives bids July 31 for sidewalks on 36 streets, including Herman, Thirty-fifth.

Ky., Marion—City received low bid from Carey-Reed Co., Guaranty Bldg., Lexington, for street paving.

La., Abbeville—City plans receiving bids for 35,000 ft. 4-ft. wide, cement sidewalks; R. I. Tanner, City Engr.

Maryland—State Roads Comm., Baltimore, receives bids July 31, for 4 roads: Frederick County—1 mi. conc. between Libertytown and Central Schoolhouse, Cont. F-112; Montgomery County—2 mi. conc. Darnestown toward Seneca, Cont. M-99; 1 mi. conc. shoulders and conc., along Wisconsin Ave. and Old Georgetown road, Bethesda, Cont. M-115; Calvert County—2.5 mi. gravel, Mutual toward Mackall; John N. Mackall, Chmn.

Md., Baltimore—Nathan L. Smith, Highways Engr., preparing plans to pave Boston St., Chester to Hudson.

Md., Baltimore—Bd. of Awards receives bids Aug. 1 to grade, curb and pave with 10,560 sq. yd. cement conc. streets in Cont. 474; grade and pave with 10,000 sq. yd. cement conc. alleys in Alley Cont. 129; Nathan L. Smith, Highways Engr.

Md., Baltimore—City, Wm. F. Broening, Mayor, plans widening Washington Blvd. 60 to 80 ft., from Monroe St. to western city limits.

Md., Baltimore—City, Bd. of Estimates, approved plans for paving Evergreen and Bayonne Aves., Harford road to Sefton Ave. and Powell Ave., Belair road to Greenhill Ave.; \$31,450; Nathan L. Smith, Highways Engr.

Miss., Aberdeen—Monroe County plans \$35,000 roads in Road Dist. 4. See Financial News.

Miss., Belzoni—Humphreys County Bd. of Suprs. receives bids Aug. 9 for conc. slabs on Silver City-Midnight road, from Yazoo County line to Midnight.

Miss., Charleston—State Highway Comm., Jackson, allotted \$25,000 to improve 10 mi. road between Charleston and Oakland; additional allotment to be made for graveling highway.

Miss., Edwards—Hinds County Bd. of Suprs., Jackson, W. W. Downing, Clk., receives bids Aug. 8 for 11,800 sq. yd. one or two course conc. sidewalks, 200 ft. combined curb and gutter; R. M. Striger, Engr., Jackson.

Miss., Ethel—City plans \$8000 for conc. sidewalks. See Financial News.

Miss., Eupora—City, Mayor and Bd. of Aldermen, receive bids Aug. 7 for 17,000 sq. yd. conc. paving, 9000 lin. ft. integral curb, 5000 cu. yd. grading, 2400 lin. ft. storm sewers, 16 storm sewer inlets; M. L. Culley, Engr., First Natl. Bank Bldg., Jackson.

Miss., Laurel—City, Mayor McLaurin, plans additional paving, including about 4 mi. sidewalks.

Miss., Macon—Mayor and Bd. of Aldermen receive bids Aug. 7 for 12,513 sq. yd. conc., vibrolithic conc. or colrock, Warrenite, bitulithic, rock asphalt cold, sheet asphalt, asphaltic conc. or brick on conc. crushed rock or gravel base, paving, 3100 cu. yd. excavation, 750 sq. ft. sidewalks, 7700 lin. ft. curb and gutters or integral curb, 6 manholes, etc.; Mary B. Scott, Clk.

Miss., Forest—City, Mayor and Bd. of Aldermen, receive bids Aug. 3 to grade, lay and pave sidewalks on various streets; one course or two course conc.; M. L. Culley, Engr., Jackson.

Miss., Macon—Noxubee County plans expending \$30,000 to improve rural road running into main highway, Beat 5. See Financial News.

Miss., Starkville—Oktibbeha County Bd. of Supvrs. plans 2 roads: New Longview and Mabon; will sell bonds.

Miss., Vaiden—State Highway Comm., Jackson, plans graveling Federal Highway 51 through Carroll County.

Mo., Appleton—City plans \$25,000 paving. See Financial News.

Mo., Cape Girardeau—City, W. C. Kaemper, Clk., receives bids July 30 to grade and lay conc. curbs, gutter and pavement on Park Ave.

Mo., Clayton—St. Louis County receives bids Aug. 1 to improve Sulphur Springs road, point north of Kopp property to Fern Glen Private road; Roy Jablonsky, Highway Engr.

Mo., Jefferson City—City receives bids Aug. 6 for 1805 cu. yd. excavation, 1600 sq. yd. stone base and penetration macad. surface course, 1200 lin. ft. cement conc. curb and gutter, etc.; F. E. Ross, City Engr.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, receives bids soon to pave 5 streets, including Sixteenth, Seventy-fourth.

Mo., St. Charles—City, Charles H. G. Blacebaum, Clk., plans receiving bids soon to improve various streets.

Mo., St. Louis—City, Bd. of Public Service, receives bids July 31 to rebuild McCausland and Terry Ave.; improve Neosho St., Geyer Ave.

N. C., Charlotte—City, Mayor Redd, plans widening East Fourth St., from South College St. to Sugaw Creek.

N. C., Charlotte—State Highway Comm., Raleigh, receives bids Oct. 7 to widen to 40 ft. pavement of Wilkinson Blvd., Charlotte to Gastonia, eliminate grade crossing west of Gastonia.

N. C., Charlotte—City, Marion Redd, Mayor, plans extending Selwyn Ave. about 1 mi. from present terminus near Myers Park Country Club toward and joining Park road.

N. C., Greensboro—Guilford County Commrs. plan hard surfacing road from Greensboro-Summerfield highway to Morehead Quarters, also overhead conc. and steel bridge, 18-ft. driveway, 2 walkways; replace grade crossing; \$40,000.

N. C., Wilmington—State Highway Comm., Raleigh, will let contract Aug. 30 for hard-surface highway to Carolina Beach, along route of present road; W. A. McGirt, Dist. Highway Engr.

N. C., Winston-Salem—City, Bd. of Aldermen, plans receiving bids soon to surface Fourth St., Main to Marshall, Marshall to Brookstown, with Durax; Brookstown to Glade, asphalt; H. L. Shaner, Commr. of Public Works.

Oklahoma—State Highway Comm., Oklahoma City, receives bids Aug. 14 for 26 roads, totaling 74 mi. grading, drainage, paving, and 8 bridges; \$1,500,000 to \$2,000,000; Noble County—3½ mi. conc., Highway 77, end of present paving north of Perry, north; Beckham County—6½ mi. asphalt, Highway 66, Sayre to Elk City; Kingfisher County—3 mi. conc., Highway 81, Dover to Kingfisher; Pottawatomie County—5 mi. asphalt, Highway 3, McLoud to Shawnee; 5 mi. conc., Highway 18, Tecumseh, south; Oklahoma County—5 mi. Highway 66, end of pavement east of Edmond through Arcadia; Nowata County—5 mi. asphalt, Highway 16, Delaware to Nowata; Payne County—10 mi. conc., Highway 33, Perkins to Cushing; 1½ mi. conc., Highway 40, Stillwater, south.

In Seminole County—2 mi. Highway 48 across Little River bottom; Logan County—4½ mi. conc., Highway 33, Guthrie to Coyle; Bryan County—8½ mi. gravel and asphalt resurface, Highway 70, point east of Durant, east; Grant County—4 mi. conc., Highway 81, Medford, north; Stephens County—10 mi. conc., Highway 29, U. S. Highway 81 west to county line; Grade; Caddo Parish—5 mi. Highway 9, Anadarko east 4 mi. Highway 8, Apache south to county line; Comanche County—Highway 8, Caddo County south to Porter Hill; Carter County—Highway 55, county line to connect with Highway 29; Jackson County—grading approaches to Headrick over north fork Red River; Okfuskee County—Highway 48, Okmahn north to Creek County line, east to connect with State Highway 27, Okmulgee County.

In Canadian County—16 to 24 mi., U. S. Highway 66, El Reno west to Calumet or Geary; Lincoln County—16½ mi. Highway

206, Meeker east to county line; Grady County—9 mi. Highway 7, Minnehah to county line; Cherokee County—15 mi. Highway 27, Tahlequah east; Coal County—Highway 19, Centrahoma to Stonewall; Bridges: Beaver County—conc. trestle over Beaver River, Highway 42; McCurtain County—3 bridges, Mountain Township near Smithville, Highway 21; Cotton County—over Cache Creek, Highway 82; Johnston County—over Mill Creek, Highway 22; Atoka County—over Caney Creek, Highway 75; Woods County—over West Medicine Creek, Highway 64.

Okl., Oklahoma City—M. A. Swatek Co., 519½ W. Main St., low bidder for conc. paving on Kate Ave.; City plans widening Tenth St., Francis to Olie Ave.; improve Harvey Ave., Third St.

Okl., Oklahoma City—City plans street improvement. See Financial News.

Okl., Oklahoma City—Oklahoma County Commrs. plan paving 5½ mi. U. S. Highway 66, from present paving east of Edmond, through county; plan letting contract.

Okl., Seminole—City, Palmore Noe, Clk., received low bid from R. H. Chase, Seminole, \$27,000, for 7200 yd. 7-in. conc. paving, Dist. 15.

Okl., Tahlequah—City Council plans receiving bids to pave 5 blocks on Highways 52, 27 and 10, Muskogee Ave. to east city limits.

S. C., Aiken—State Highway Comm., Columbia, plans widening Route 18 to 20 ft. between Aiken and Saluda County line south of Hibernia; \$60,000.

Tennessee—Dept. of Highways and Public Works, Nashville, receives bids Aug. 10 for 11 roads, 34 bridges and overpass: Lauderdale County—10 mi. grading, draining, between Ripley and point near Edith; Davidson County—906 mi. Highway 1, Nine Mile Hill to N. C. & St. L. overhead; Franklin County—10 mi. bit. surface treatment, Highway 16, between Winchester and Cowan, and Winchester and Decherd; Carroll County—13.494 mi. grading, draining, Highway 57, Atwood to McKenzie; 6 steel and treated timber bridges: Marion County—3.780 mi. grading, draining, Highway 2, Pin Hook to Jasper; McMinn and Monroe Counties—27.206 mi. Highway 33, Etowah to Little Tenn. River; Warren County—12 mi. bit. surface treatment, Highway 56, McMinnville to Grundy County line.

In Montgomery County—0.85 mi. grading, draining, Highway 11, Guthrie to Adams; Bradley County—10.2 mi. bit. surface treatment, Highway 60, Cleveland to Polk County line; Dickson County—7.016 mi. grading, draining, Highway 48, Dickson to Charlotte; Cumberland County—7 mi. surface treatment, Highway 1, Ozone to Roane County line; Bledsoe County—15 mi. bit. treatment, Highway 28, Pikeville to Cumberland County line; Bridges: Meigs County—conc. and steel Hiwassee River Bridge, Highway 38, Georgetown to Decatur; Rutherford County—conc. overhead and approaches, over N. C. & St. Louis Ry., near Murfreesboro, Highway 10; Carroll County—6 steel and treated timber bridges, Highway 76; Cumberland County—2 conc. bridges, State Highway 1, Ozone to Westel.

In Decatur County—over 20-ft. span bridge, Highway 60, Decaturville to Parsons; Lewis County—conc. sub-structure for bridge over Trace Creek, Highway 48; Montgomery County—conc. and steel bridge over West Fork, Red River, Highway 12, Ringgold; Jefferson County—4 bridges over 20-ft. spans, Highway 9, point near Sevier County line to Dandridge; Cocke County—two bridges over 20-ft. spans, Highway 9, Newport to end of Federal Aid Project 23; Davidson County—2 conc. bridges, Highway 6, Nashville to Williamson County line; Giles County—10 bridges over 20-ft. spans, Highway 15, Pulaski to Lincoln County line; Hamilton County—2 bridges over 20-ft. spans, between Chattanooga and Silverdale; Dickson County—conc. bridge over Piney Creek, Highway 48, south of Dickson, Highway 48.

Tenn., Knoxville—City, Otto Roehl, Mgr., considering expending \$500,000 to pave streets, sidewalks, lay curbs and gutters; also plans widening and extending Henley St.

Tenn., Knoxville—City, Otto Roehl, Mgr., considering \$400,000 new paving, including Parkwood Manor and Lindbergh Forest subdivisions.

Tenn., Selmer—McNairy County Special Highway Comm. receives bids Aug. 6 for 2 sections of roads, totaling 13 mi.: 7 mi. grading, draining, from State Highway 15 east of Selmer to Leapwood; 6 mi. grading, draining, Leapwood to Enville; M. P. Max-

well, Local Engr. for Bass-Freeman-Roberts Co., Independent Bldg., Nashville.

Texas—State Highway Comm., Austin, approved \$230,782 maintenance appropriations, including asphalt topping on highways in 8 counties: Callahan County—2½ mi. asphalt topping, Highway 23; Erath County—19 mi. Highway 68, Stephenville to Chalk Mountain; Gregg County—10 mi. 12 to 18-ft. Highway 15; Houston County—graveling sand beds, Highways 19 and 21; Kaufman County—graveling hill west of Forney, Highway 15; Travis County—1 mi. asphalt surfacing, Highway 2; Williamson County—10½ mi. asphalt surface, Highway 95, Taylor to Bastrop County line; 6 mi. asphalt, Highway 2-B.

Texas—State Highway Comm., Austin, approved building or improving 3 roads: Walker County—conc. Highway 45, Huntsville to county line; Young County—surface Highway 67, Graham to Stephens County line; Wilbarger County—Highway 23, Vernon south to Baylor County line.

Texas—State Highway Comm., Austin, receives bids Aug. 1 for 2 roads and bridges: Victoria County—15,099 mi. grading, bridges, Highway 12, also large bridges; Baylor County—20,579 mi. grading, bridges, Highway 24, Seymour to Archer County line; Kent County—bridge on Highway 84; Gibb Gilchrist, Highway Engr.

Texas—State Highway Comm., Austin, receives bids Aug. 2 for 2 roads, bridge and overpass: Cherokee County—9,553 mi. grading, bridges, Highway 43; Henderson County—7,840 mi. grading, bridges, Highway 31, Murchison to Athens; .085 mi. conc. and steel overpass, graded approaches, Highway 31; McCulloch County—255-ft. bridge, Highway 9.

Texas—State Highway Comm., Austin, receives bids Aug. 1, tentative date, for 23 roads: Bit. surfacing, using .5 gal. asphalt per sq. yd.; Potter County—12 mi. Highway 13, Oldham County line, east; Jasper County—22 mi. Highway 8, Evadale, east to Buna; Highway 62, Buna to Orange County line; Trinity County—17.9 mi. Highway 19, Houston County line, through Trinity to Walker County line; Montgomery County—7.9 mi. Highway 19, Conroe to Willis; Goliad County—12.484 mi. grade, drain, bridges, Highway 12, Victoria County line to Goliad; Harris County—2,028 mi. grading, bridges, Highway 3, end of Federal Aid Project 512-A, east to Crosby road; Taylor County—10.257 mi. conc., Highway 1, Abilene to Federal Aid Project 77; Anderson County—8.448 mi. grading, bridges, Highway 43; Shackelford County—17.354 mi. bit. conc. surface, Highway 1-A; Navarro County—1.067 mi. conc., Highway 22.

In Anderson County—9.749 mi. conc., Highway 19, Palestine to Elkhart; Hardin County—2,370 mi. grading, bridges, Highway 40; Hale County—16,287 mi. grading, bridges, Highway 9, Abertathy to Hale Center; 12,393 mi. grading, bridges, Highway 9, Hale Center to Plainview; 8,550 mi. grading, bridges, Highway 9, Plainview to Swisher County line; Karnes County—5,740 mi. grading, bridges, Highway 16, Wilson County line south; Wilson County—9,965 mi. grading, bridges, Highway 16, point south of Floresville to Karnes County line; Jackson County—7,721 mi. grading, bridges, Highway 12; Wharton County—9,844 mi. conc., Highway 12, Wharton, through Hungerford to Fort Bend County line; Mitchell County—9,322 mi. conc., Highway 1, Howard County line to Westbrook; Jones County—9,584 mi. conc., Highway 30, Stamford to point north of Anson; Calhoun County—5,473 mi. grading, bridges, surfacing, Highway 57.

Texas—State Highway Comm., Austin, receives bids Aug. 2 for 2 roads: Hale County—37,230 mi. grading, draining, Highway 9, Lubbock County line to Swisher County line, 326,065 cu. yd. excavation and borrow, 44,706 lb. rein. steel; Milam County—4,555 mi. grading, draining, Highway 43, Thorndale to Road Dist. 10 line, 154,130 cu. yd. excavation and borrow, 19,200 lb. rein. steel; separate bids on larger bridges: 417,746 lb. rein. steel, 191,690 lb. struct. steel.

Tex., Austin—City, Adam Johnson, Mgr., plans 50,000 yd. paving in business section, south of Sixth and west of Congress Ave.; conc., brick, bitulithic, or Uvalde rock asphalt; Hans Hellend, Special City Engr., considering bond election.

Tex., Ballinger—Runnels County Commrs. Court plans \$478,000 toward 2 roads: conc. road from Tom Green County line to Ballinger and north to Commrs. Precinct line, between precincts 1 and 2 north of Hatchel; probably waterbound macadam, heavy asphalt top, from Coleman County line to Ballinger and south to Concho County line. See Financial News.

Tex., Beaumont—City plans expending \$30,000 to \$40,000, to pave, lay sidewalks, grade, etc., thoroughfares of South Texas State fair grounds.

Tex., Big Spring—Howard County considering road building. See Financial News.

Tex., Big Spring—Howard County Commrs. will build 6 mi. 60-ft. road from oil fields of south Howard and North Glascock area west, crossing Highway 9, Glacier-to-Gulf artery, at Drumright, to Big Spring and Garden City Highway.

Tex., Clarksville—State Highway Dept., Austin, plans completing 4 mi. Paris-Texarkana Highway between DeKalb and New Boston, Red River County.

Tex., Columbus—Colorado County, E. B. Mays, County Judge, and Wharton County, John Norris, Judge, plan 77 mi. highway improvement, from Fayette County line, through Columbus and Eagle Lake. See Financial News.

Tex., Corsicana—State Highway Comm., Austin, granted \$16,000 aid for 1 mi. conc. top, Highway 22, from Corsicana to State Orphans' Home.

Tex., Crockett—Houston County considering north and south Highway 19 through Grapeland.

Tex., Dallas—Dallas County, Charles E. Gross, County Auditor, receives bids Aug. 13 for road improvement: 1/2 mi. conc. West Dallas Pike, Carpenter's Store to cement plants; 1000-ft. Seagoville road through river bottoms; steel or conc. bridge across Gravel Slough, Wilmer-Hutchins road.

Tex., El Campo—City, H. E. Otell, Sec., \$75,000, plans street improvement. See Financial News. 5-3

Tex., Edinburg—Hidalgo County Commrs. Court plans letting contract for 50 mi. hard surface roads in Pharr-San Juan Dist., \$1,000,000. See Financial News. 6-21

Tex., El Paso—City plans paving 3 streets in Kern Place subdivision, Baltimore, Galloway and Kelly Way.

Tex., Houston—City, W. A. Moore, Sec., received low bid from Gulf Bitulithic Co., 701 Foster Bldg., \$36,729, to pave Live Oak, Texas to Polk; Kall-Inla Paving Co., to surface Merrill St., Studewood to Michaux.

Tex., Houston—City, J. C. McVea, Engr., submitted plans for permanent paving on Bayland from Michaux to Studewood, 25-ft. wide; \$8300.

Tex., Houston—City, J. C. McVea, Engr., submitted plans for widening and improving Washington Ave., 90 or 100 ft., from Heights Blvd. to city limits; W. S. Moore, Sec. See Financial News.

Tex., Houston—City, W. A. Moore, Sec., receives bids Aug. 15 to pave Lockwood St., connecting Navigation Blvd. with Clinton road, \$200,000; receives bids in about 30 days to pave 1 1/4 mi. Clinton road from end of pavement at Kress to Bringham; J. C. McVea, City Engr.

Tex., Houston—City, W. A. Moore, Sec., considering paving Alameda road, end of present pavement to North MacGregor; two 28-ft. roadways, 25-ft. esplanade; bridge over Brays Bayou.

Tex., Houston—City, W. A. Moore, Sec., plans graveling Chenevert St., East Alabama to Cleburne; inverted penetration pavement on Parkview Ave., Houston to White Oak; J. C. McVea, City Engr.

Tex., Jasper—State Highway Comm., Austin, receives bids Aug. 1 for 2 roads in Jasper and Newton Counties: 9.1 mi. one course asphalt surface treatment, Highway 8, Evadale on Neches River to Buna, 214,142 sq. yd.; 13.5 mi. one course asphalt surface treatment, Highway 62, Buna to Orange-Newton County line.

Tex., Jourdan—State Highway Comm., Austin, designated State road from Jourdan to Atascosa County, to Rio Grande City; survey to begin soon; plans hard surfacing road.

Tex., Laredo—Webb County plans receiving bids for 8 mi. conc. paving, Oilton, west.

Tex., Lefors—Gray County, T. M. Wolfe, Judge, receives bids Aug. 15 for 6 mi. grading highway, from point west of Pampa to county line.

Tex., Mesquite—City plans graveling Terrell Ave., Public Square to Walker St.

Tex., Meridian—Bosque County, B. F. Word, Judge, plans expending \$60,000 for roads in Dist. 9 and 10. See Financial News. 7-5

Tex., Paint Rock—Concho County considering widening to 80 ft. Highway 23 through county north to south; straightened and

graded; plans new highway from Highway 23 at point north of Paint Rock through Lowake and Miles.

Tex., Palestine—City plans street improvement. See Financial News.

Tex., San Angelo—City Comm., E. V. Spence, City Engr., plans paving South David St., Ave. A to Ave. J.

Tex., San Augustine—City plans expending \$40,000 toward street paving. See Financial News. 7-12

Tex., San Antonio—City Comm., Fred Fries, City Clk., plans widening, 33 to 55 ft., North Presa St., West Commerce to West Market; I. Ewig, City Engr.

Tex., San Antonio—City, Fred Fries, Clk., received low bid from Uvalde Rock Asphalt Co., Frost Natl. Bank Bldg., to improve Fredericksburg road, Flores St. to Cincinnati Ave.; \$26,401, for 2-in. hot rock; \$23,122, for 1 1/2-in. Vuraco; from Alamo Paving Co., 321 Dawson St., \$6454, to improve Grand Ave., Austin St. to Broadway. 7-12

Tex., Tyler—State Highway Comm., Austin, will gravel and asphalt 16 mi. road between Troup and Overton, designated as State highway.

Tex., Tyler—Smith County Commrs. Court will survey proposed belt highway from Winona to Garden Valley, through Lindale.

Tex., Waxahachie—Ellis County Commrs. Court, H. R. Stovall, County Judge, plans expending \$190,000 to complete State Highway 6 and build lateral roads in Red Oak Dist. 6; W. A. Spalding, County Engr. See Financial News.

Virginia—State Highway Comm., Richmond, received low bids for road and 3 bridges: Tazewell County—1.2 mi. 18-ft. rock asphalt, Tazewell, north, Rosenbaum Bros., Pocahontas, \$36,412; Madison County—108 ft. steel bridge over Robertson River, substructure and superstructure, N. H. Clark, \$14,175; Campbell and Pittsylvania Counties—586-ft. conc. and steel bridge over Staunton River, Altavista, two 150-ft., two 75-ft. steel trusses, three 40-ft. rein. conc. beam spans, T. A. Loving & Co., Goldsboro, N. C., \$61,530; Campbell County—430-ft. conc. bridge over Virginia Ry., Altavista, T. A. Loving & Co., \$28,681. 7-5

Va., Chatham—State Highway Co., Richmond, contemplates improving Danville-Chatham Highway, including widening.

Tex., Paducah—City plans street paving. See Financial News. 6-28

Va., Roanoke—City, W. P. Hunter, Mgr., plans widening Luck Ave., Three and One-Half St. to Fifth, lay curb and sidewalk; oil Arden road, Sherwood to Carter road; Shirley Ave., Grandin to Arden road.

W. Va., Clarksburg—City, R. L. Osborn, Mgr., received low bid from Paul S. Hornor Co., Goff Bldg., \$25,040, to pave 4 streets: 2325 cu. yd. excavation, 4275 lin. ft. curb, 995 cu. yd. re.n. conc. paving. 7-12

W. Va., Moundsville—Marshall County considering improving 2 roads.

W. Va., McMechen—Bence McMechen will grade and slag Twelfth St., Marshall to Logan.

Contracts Awarded

Ala., Florence—Lauderdale County Commrs. Court let contract to Newell Contracting Co., Martin Bldg., Birmingham, \$33,108, for 7.27 mi. chert or gravel Savannah road, Florence to Tennessee line. 6-28

Ala., Mobile—Hancock Brothers, 310 St. Michael St., have contract to pave and curb North Water and North Commerce St., from Beauregard St. to docks property.

Ark., Siloam Springs—W. L. Miller has contract to widen and pave 8-ft. East Main St., and lay walk from St. Nicholas St. to Sager Creek Bridge.

D. C., Washington—Dist. Commrs. let contract to Corson & Gruman, Thirty-third and K Sts., N. W., \$222 per sq. yd. for 6-in. conc. paving; \$247 per sq. yd. cement conc. roadway or alley pavement.

Fla., Miami Beach—City, C. W. Tomlinson, Clk., let contract to W. T. Price, Inc., Coconut Grove, \$29,354, for 10-in. pit rock base, double surface treatment, slag cover, Collins Ave., Thirtieth to Forty-fourth Sts.

Fla., Orlando—Orange County Commrs., Chas. A. Browne, Ch. Engr., let contract to Hutton Construction Co., Sanford, \$611,704, for 47.55 mi. 18-ft. grading, draining and 6-in. rock base, asphalt and slag surface treated road. 6-28

Ga., Augusta—Whitley Construction Co., LaGrange, has contract to pave Wilson Highway from Augusta to Waycross.

Ga., Columbus—Campbell Contracting Co., 1312 Tenth Ave., Columbus, have contracts

for 2 roads, Muscogee County: 4.97 mi. Columbus-Macon road, \$141,761; river road, \$102,833.

Ky., Princeton—City let contract to Chas. Hart Construction Co., Boonville, for 25,000 yd. 8-in. rock macad. base, 1 1/2-in. asphalt surface, paving.

La., Baton Rouge—City let contract to Southern Roads Co., Pioneer Bldg., Birmingham, Ala., \$16,800, for road improvement on Reddy St.; to Robert Thibodeaux to improve Sharpe St.

La., DeQuincy—Town, M. M. Smith, Clk., let contract to Flenniken Construction Co., 325 Willow Ave., Knoxville, Tenn., for 19 blocks street paving; \$60,000 available.

Md., Baltimore—Bd. of Awards let contract to Baltimore Asphalt Block & Tile Co., 1320 N. Monroe St., \$87,045, to pave with asphalt Garrison Ave., Forest Park Ave. to Belvieu Ave. 7-5

Miss., Canton—City, H. P. Firden, Clk., let contract to W. J. Horie Construction Co., Monroe, La., for 10,000 sq. yd. Warrenite bitulithic pavement, 4000 lin. ft. curb, gutter and excavation. 6-28

Miss., Kosciusko—Attala County Bd. of Supvrs. let contracts for 2 roads: 10,472 mi. State Trunk road, Kosciusko to Durant, Boddie Construction Co., Miss. Drug Bldg., Laurel, \$99,878; 6,398 mi. State Trunk road, Durant to Starkeville; Sam B. Boyd, Columbia, \$58,455. 6-28

Miss., McComb—City let contract to Merrill Construction Co., \$1.88 per sq. yd. for 47,000 sq. yd. conc. paving; Faulkner Reinforced Concrete Co., Carter Bldg., Hattiesburg, for conc. pipe. 7-5

Mo., Joplin—City let contract to Kost Paving Co. for conc. sidewalks on Pearl St., Twenty-sixth to Thirty-second.

Mo., Kirkwood—City, W. J. Dinworth, Clk., let contract to Jos. F. McMahon Construction Co., 719 Buder Bldg., \$31,478, to pave Van Buren, Clay Ave. and Central Place. 6-21

Mo., Pierce City—J. L. Miller, Kansas City, has contract for 10 blocks 40-ft. tarvia paving; Russell & Axon, Engrs., McDaniel Bldg., Springfield. 7-19

N. C., Lexington—City let contract to Kiker & Yount, 35 cents per sq. yd., to surface about 2 mi. streets; Barrett Co., 40 Rector St., New York, to furnish tarvia treatment.

Okla., Enid—Asplund Construction Co. has contract for 6-in. conc. paving in Dist. 194; F. E. Buckminster, Clk.

Okla., Geary—City, T. J. Stephenson, Clk., let contract to Ward-Beekman & Brooks, Inc., 1801 E. Ninth St., Oklahoma City, \$27,500 for 9930 sq. yd. 6-in. conc. paving, Dist. 4.

Okla., Muskogee—City let contract to Ellis & Lewis, Surety Bldg., Muskogee, \$46,599, for paving in Honor Heights Park.

Okla., Oklahoma City—City let contract to M. A. Swatek Co., 519 1/2 W. Main St., to improve Glen Ellen Place, Twentieth to Twenty-third St.; to Western Paving Co., Petroleum Bldg., for north drive, Exchange Ave., Reno to Klein Ave.

Okla., Tulsa—City Comm. let contract to Standard Paving Co., 1742 E. Sixth St., \$10,152, for paving in Dist. 883.

S. C., Charleston—Simons, Mayrant Co., Peoples Bldg., Charleston, has contract for paving and sidewalks on Cooper St.; Charleston Engineering & Contracting Co., 58 Broad St., for drains and sewers.

Tenn., Kingston—B. C. George & Co., Corinth, Miss., have contract to grade Rockwood to Ozone section, Memphis to Bristol Highway, Roane County.

Tenn., Lexington—City let contract to Interstate Construction Co., Independent Bldg., Nashville, to surface streets with asphalt and limestone rock; \$10,000.

Tenn., Nashville—City, S. H. McKay, Clk., let contract to Baird-Eller Construction Co., Nicholas Bldg., Nashville, about \$9700, for 5000 sq. yd. paving in 9 alleys. 7-12

Tenn., Springfield—City, J. R. Adams, Clk., let contract to Baird-Eller Construction Co., Nichols Bldg., Nashville, \$37,532 for 14,450 yd. 2-in. asphaltic paving, conc. base.

Texas—State Highway Comm., Austin, let contracts for 3 roads: Carson County—9.830 mi. conc., Highway 33, Potter County line to point southwest of Panhandle, J. W. Zempter & Co., Box 497, Galveston, \$235,466; Harris County—10.038 mi. grading, draining, conc. paving, State Highway 19, Kuykendahl road to Spring Creek Bridge, A. A. Davis & Co., City Bk. Bldg., Kansas City, Mo., \$254,085; Fayette County—7.642 mi. grading,

draining, Highway 71, point west of Plum to Bastrop County line, Cage & Ruby, San Antonio, \$28,692; large drainage structures, L. E. Sanders, 400 Kendalia Ave., San Antonio, \$37,508. 7-12

Tex., Cuero—State Highway Comm., Austin, let contract to Cage & Ruby, San Antonio, \$28,692, for 6.64 mi. grading, draining, Highway 72, Smith Creek to Karnes County line. 7-12

Tex., Hereford—Jordan Construction Co., Plainview, has contract for 15 additional blocks brick paving.

Tex., Houston—City, W. A. Moore, Sec., let contracts for 6 streets: Seventy-fifth St., Harrisburg to Munn, 8-in. conc. base, 3-in. brick surface, San Jacinto Construction Co., First Natl. Bank Bldg., \$114,225; Austin St., McGowan to Franklin, 52-ft. wide, 2-in. rock asphalt top, 6-in. conc. base, A. M. Arnold & Co., 112 Buffalo St., \$146,195; Shepherd Drive, Buffalo Drive to Richmond road, 42-ft. wide, 6-in. conc. base, 2-in. asphalt top, Smith Bros., Inc., 2402 W. Dallas St., \$137,400; Hogan & Crockett St., Main to Houston, 42-ft. wide, 2-in. asphalt top, 6-in. conc. base, A. M. Arnold & Co., \$50,710; Bellaire Blvd., Main St. road to Kirby Drive, 6-in. conc. base, 2-in. asphalt top, Uvalde Rock Asphalt Co., 820 Dowling St.

Tex., Lufkin—Gus Schambaugh, Houston, has contract to pave with 6-in. conc. and 2-in. topping of track rock and tarvia 11 streets and avenues.

Va., Richmond—City, R. Keith Compton, Dir. of Public Works, let contract to Old Dominion Construction Co., \$123,000, to pave with vitrified brick 5 streets in business dist.

Va., South Boston—City Council let contract to P. H. Johnson, for sidewalk and street paving, Main St. in fire district.

West Virginia—State Road Comm., Charleston, let contracts for 4 roads and bridges: Hancock County—3 mi. conc. without brick, Chester-Pennsylvania State line road, George B. Patterson, Wellsville, Ohio, \$64,000; Lewis County—6 mi. macad., Weston-Lynn road, D. Rich. Weston, \$75,385; Mineral and Grant Counties—9 mi. stone base course, northwest of turnpike, E. G. Valentine, Frederick, Md., \$111,546; Nicholas County—8 mi. macad., Allingdale-Calvin road, A. Keathly, Professional Bldg., Charleston, \$135,565; Mercer County—substructure for Spanish bridge, Price Construction Co., Huntington, \$9064; superstructure, E. R. Mills, Ashland, Ky., \$21,677.

W. Va., Charleston—Kanawha County Court let contract to A. T. Thompson, Barboursville, \$14,924, for 1.7 mi. grading, draining, Amandaville-Chemical City road, Jefferson Dist.; C. L. Rhodes, Dana, W. Va., \$5490, for conc. substructure of Slaughters Creek Bridge, Cabin Creek Dist., near Chelyan. 7-12

W. Va., Clarksburg—Harrison County Court let contracts for 17 roads and bridge, costing \$153,812: 4 mi. stone base, West Milford-Lost Creek road, Dominick Rich, Weston, \$31,408; ½ mi. grading, draining, stone base, Duck Creek road, J. M. Randish, Mount Clare, 1500 ft. rein. conc., Water St., Norood, Paul S. Hornor Co., Goff Bldg., Clarksburg, \$7145; 2-3 mi. stone base, Glen Falls, A. Pettito & Sons, Mount Clare, \$5950; 1½ mi. grading, draining, Little Tenmile Creek road, Thompson & Ashcraft, Wallace \$6536; 1 mi. grading, draining, Isaac's Creek road, W. H. Armstrong Co., Newton St., Fairmont, \$5128; 2 mi. grading, draining, stone base, Bate's Store, Eagle Dist., Thompson & Ashcraft; 1 mi. grading, draining, Boothsville road, Charles A. Short, Shinnston, \$5027; 1 mi. grading, draining, stone base, Coon Run, Charles A. Short, \$11,901; 1 mi. grading, draining, Big Buffalo, A. Pettito & Son, \$7008; ½ mi. grading, draining, stone base, Jarvisville road, Morris & Howell, Miletus, \$6064; 2 mi. grading, draining, Wyatt-Oakdale road, Paul S. Hornor Co., \$10,201; 1400 ft. grading, draining, stone base, Lumberport Hill road, Thompson & Ashcraft; ½ mi. Learty Hill road, Salem Bridge and Construction Co., Salem, \$8634; 1.8 mi. grading, draining, and 1 mi. stone base, Boothsville road, W. F. Allen & Co., Union Bank Bldg., Clarksburg, \$15,475; 1 mi. stone base, Simpson Creek, J. V. Tullev, Weston; 1 mi. Brushy Fork, J. M. Randish, \$11,872; 50-ft. rein. conc., Thornberry Bridge, Minns & Dodd, Spencer, \$5231. 7-5

W. Va., Parkersburg—D. A. Criss, E. Seventh St., Parkersburg, has contract to pave road, circling Ft. Boreman.

W. Va., Wayne—Wayne County Court let contract for 2 roads: 5 mi. hard surface road, Grant Dist., from mouth of Cove Creek to Cove Gap, Billups & Wellman, First Natl. Bank Bldg., Huntington, \$21,790; 1½ mi., White's Creek, to road to Buffalo Creek, A. A. Bostic, Kenova, \$8880.

Sewer Construction

Ala., Georgiana—Town receives bids Aug. 1 for material for sewer system. See Want Section—Bids Asked.

Ark., Fayetteville—C. E. Pierce has contract at \$57,545 for constructing disposal plant on White River, southeast of Fayetteville.

Fla., Miami—City, C. S. Nichols, Engr., receives bids Aug. 6 for \$10,000 sewer system.

Fla., Miami Beach—W. T. Price, Inc., Coconut Grove, has contract for sewers. 7-12

Ky., Fort Thomas—City receives bids Aug. 3 for sewage disposal plant. See Want Section—Bids Asked.

Ky., Marion—City let contract to Carey-Reed Co., Guaranty Bank Bldg., Lexington, for sanitary sewer system. 7-12

Ky., Paducah—Commr. of Public Works, E. R. Bradshaw, receives bids Aug. 7 for constructing system of combined sewers in Sewer Zone No. 4A of Sewer Dist. So. 3. See Want Section—Bids Asked.

La., Gretna—City selected Henry A. Mentz, Engr., Hammond, to prepare specifications for sanitary and storm sewerage system; plans voting on \$300,000 bonds soon.

La., Tallulah—City has authorized Henry A. Mentz, Engr., Hammond, to prepare plans and specifications for sanitary sewer.

Md., Cumberland—City discussing plans for 6 storm sewers; one from present Dry Run to county line, extending Green St. conduit, storm sewer from Pershing St. mill race to C. & O. Canal, sewer on Tilghman St. to Sulphur Run to drain Fayette and Chase Sts., and sewer on Frederick St. from fire station to county school.

Md., Towson, Br. of Baltimore—Baltimore County Commrs. receive bids Aug. 6 for sewers and appurtenances in vicinity of Arbutus and Halethorpe, Contr. 12-S. See Want Section—Bids Asked.

Miss., Eupora—See Roads, Streets, Paving.

Miss., Flora—City considering \$40,000 bond election for sewers.

Mo., Springfield—City will construct storm sewer; cost \$75,000.

Mo., St. Louis—Bd. of Public Service receives bids Aug. 8 for sewers in Maline Creek Sewer Dist. No. 1. See Want Section—Bids Asked.

N. C., Charlotte—City plans laying outfall sewer to serve Brar Creek drainage area, with necessary additions to Sugaw Creek disposal plant, estimated cost \$216,515 by W. M. Platt, Conslt. Engr., First Natl. Bank Bldg., Durham, who filed comprehensive survey of eastern territory.

Okla., Clinton—City plans extending sewer system; Benham Engineering Co., Conslt. Engr., Gumbel Bldg., Kansas City, Mo.

Tenn., Camden—City plans laying sewers; will vote on \$56,000 bonds. See Financial News.

Tex., Austin—City will let contract in about 30 days for storm sewer on Guadalupe between 45th and 35th Sts.

Tex., Fort Worth—City let contract at \$778,747 to Walker Construction Co., Builders Exchange Bldg., for enlarging and improving sewage disposal plant; D. L. Lewis, City Engr.; Hawley & Freese, Conslt. Engrs., Capps Bldg., Fort Worth.

Tex., Houston—City receives bids Aug. 13 for storm sewers. See Want Section—Bids Asked.

Tex., Irving—City plans sewer system, cost \$30,000; Koch & Fowler, Engrs., Central Bank Bldg., Dallas.

Tex., San Antonio—See Gas and Oil Enterprises.

Va., Clarendon—Thomas N. DeLashmatt, County Sanitary Engr., announced that plans are being prepared for constructing Long Branch trunk line sewer project, will drain southern part of Clarendon, Lyon Park, Ashton Heights and Army Navy Country Club into 4 mile run.

W. Va., Moundsville—Stobbs & Baker, Wheeling, has contract for reconstructing section of sanitary sewer on Seventh St., near Jefferson Ave.

Telephone Systems

N. C., Asheville—Southern Bell Telephone and Telegraph Co., Atlanta, Ga., expend \$2,000,000 for expansion during next 5 years.

N. C., Charlotte—Southern Bell Telephone and Telegraph Co., Atlanta, Ga., Morgan B. Speir, Dist. Mgr., let contract to Barge-Thompson Co., 136 Ellis St., N. E., Atlanta,

Ga., for erecting \$400,000 building; first unit of building to be 3 stories with provisions to increase height to 8 stories, 84x177 ft., fireproof, rein. conc. frame work with brick and tile curtain walls, American motif with limestone finish to second floor and brick to roof line; Marye, Alger & Vinour, Archts., Walton Bldg., Atlanta. 6-21

Va., Buchanan—Interstate Commerce Comm. granted Chesapeake and Potomac Telephone Co. of Virginia, John S. Eggleston, V.-Pres., Richmond, permission to acquire Botetout Telephone Co.

Va., Wytheville—Inter-Mountain Telephone Co., Bristol, acquired Mutual Telephone Co.

Textile Mills

Ala., Albertville—Smith & Williams Co., Inc., Red Rock Bldg., Atlanta, Ga., has contract for two 15,000 spindle mill buildings and 2 mill villages of 50 cottages each, to be built at Albertville and Guntersville, for Saratoga Victory Mills Co., Inc.; Robert & Co., Inc., Bona Allen Bldg., Atlanta, Ga., Archts. and Engrs. 6-14

Ala., Guntersville—See Ala., Albertville.

Ga., Americus—Dennie Silk Mills, M. C. Dennie, Pres., Gloversville, N. Y., let contract to Kenty & Ansley for building for Sumter Rayon Mills; subcontracts for plumbing and electric work not let. 7-19

Ga., Rome—American Chatillon Corp., Room 1115, 393 Seventh Ave., New York City, receives bids July 30 for first unit of rayon plant, cost \$4,000,000; rein. conc., struct. steel and brick; seven 1-story units, 158x141, 649x140, 220x85, 109x78, 115x52, 141x66, 155x15, 748x200 ft., and one 4-story unit, 200x75 ft.; one 2-story unit, 200x200 ft.; also erect mill village; following contractors estimating: A. K. Adams Co., 542 Plum St., N. W.; Seaboard & Southern Construction Co., 1101 Marietta Bldg.; John W. Cowper Co., Inc., Healey Bldg., and J. S. McCauley Co., Bona Allen Bldg., all Atlanta, Ga.; Fiske-Carter Construction Co., 121½ W. Main Bldg., Spartanburg, S. C.; Struck Construction Co., 147 N. Clay, Louisville, Ky.; Hughes-Foulkrod Const. Co., Schae Bldg., Philadelphia, Pa.; Grier-Lowrance Const. Co., Statesville, N. C., and Consolidated Engineering Co., 20 E. Franklin St., Baltimore, Md.; Lockwood, Greene & Co., Engrs., 1 Pershing Sq., New York. 7-12

Ga., Royston—Royston Spinning Co., capital \$100,000, incorporated; J. M. Battson, Lavonia; erect \$25,000 cotton yarn mill, 75x400 ft.; install 6142 spindles. 7-19

N. C., Greensboro—Richardson Realty Co., Inc., Pomona, N. C., let contract to Burns-Hammond Construction Co., Jefferson Bldg., for erecting building to house silk throwing plant for Meyer and Samuel Grobart and Joseph Lebauer, all Paterson, N. J.; 1 story, 60x200 ft., brick, monitor roof, automatic sprinklers; Harry Barton, Archt., Jefferson Bldg. 7-19

N. C., High Point—Triangle Hosiery Co., capital \$125,000, incorporated; W. C. Covington, L. H. Bowling.

S. C., Chesnee—Chesnee Mills, John A. Law, Pres., let contract to Grier-Lowrance Construction Co., Statesville, N. C., at \$103,340 for addition to weave and cloth rooms; brick, steel, 1 story with basement, weave shed 194x166 ft. will house 1000 looms; cloth room 86x63 ft.; Lockwood, Greene & Co., Engrs., Charlotte, N. C. 7-19

S. C., Spartanburg—Yarns Corporation of America, 40 W. 20th St., New York City, will issue 18,000 shares of convertible Class A stock with no par value, underwritten by Doroshaw & Co., Inc., 50 Broadway, New York; entire proceeds to be used for additional working capital; plan erecting additional building, tripling capacity of processing mill. 4-19

S. C., Whitmire—Aragon-Baldwin Cotton Mills, Inc., opens bids Aug. 7 for 4-story addition to main mill building; 120x135 ft.; plank, timber and steel; J. E. Sirrine & Co., Engrs., Greenville.

Va., Charlottesville—Frank Ix & Sons, Inc., North Bergen, N. J., let general contract to Wilson Co., Charlottesville, for silk mill; 20,000 sq. ft. floor space, brick and steel, 2 stories, second floor being clear span 66 ft.; Detroit Steel Products Co., Detroit, steel sash; Virginia Bridge and Iron Co., Roanoke, steel; sub-contracts for heating and lighting not let; Ralph L. Hawkins, Res. Engr. See Want Section—Building Material and Equipment and Machinery and Supplies. 7-12

Va., Winchester—J. B. Ferguson & Co., Hagerstown, Md., has contract for erecting addition to Virginia Woolen Co.'s plant; W. B. Goode, Engr. 7-12

Va., Covington—Industrial Rayon Corp., 98th St. and Walford Rd., Cleveland, O., will let general contract Aug. 6 for constructing rayon plant; J. E. Sirrine & Co., Engrs., Greenville, S. C. 6-28

Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ala., Albertville—Alabama Water Service Co., Birmingham, will improve water plant; construct pumping station on Short Creek to be connection to main distribution system by 12-in. line of pipe; cost \$100,000.

Ala., Mobile—City, Harry T. Hartwell, Commr., plans expanding and improving water system at cost of \$500,000; John R. Peavy, Asst. City Engr., preparing plans for first project, which includes 2½-mile 24-in. parallel main, Blenville Pumping Station to Bienville Reservoir, \$80,000; steel tank and tower at Spring Hill, \$10,000.

Ala., Tuscaloosa—City Comm. has low bid at \$92,474 from C. G. Kershaw Contracting Co., Woodward Bldg., Birmingham, for constructing dam at mouth of Little Yellow Creek on Warrior River; 20 ft. thick base; foundation of solid rock. 6-21

Ky., Paducah—Paducah Water Works Co. offering \$210,000 general and refunding mortgage 5% bonds, Series A, through Block, Fetter & Trost, Inc., 116 S. Fifth St., Louisville, and Citizens Savings Bk., City National Bk., both Paducah.

Ky., Providence—Mayor and Bd. of Council receives bids Aug. 15 for improving water works. See Want Section—Bids Asked. 6-28

La., New Orleans—Sewerage and Water Bd. receives bids Sept. 6 for turbine and pumps. See Want Section—Bids Asked.

La., Sulphur—Town voted \$60,000 water works bonds. 6-21

Mo., St. Louis—State Public Service Comm., Jefferson City, authorized St. Lou's County Water Co., to issue and sell \$1,000,000 first mortgage 5% 20-year bonds; proceeds to be used to pay for extensions and improvements finished and yet to be made.

Okla., Erick—City considering bond election for water works.

Okla., Stillwater—City let contract at \$17,000 to Burnley Machinery Co., Liberty Natl. Bldg., Oklahoma City, for boiler in power house.

Okla., Woodville—City plans expending \$18,000 on water works system; E. W. Gantt, Engr., 1116 W. Main St., Oklahoma City.

Tenn., Camden—City plans water works; will vote on \$37,000 bonds. See Financial News.

Tex., Alvin—Western Public Service Co. extending water mains.

Tex., Beaumont—Peoples Light and Power Corp., E. C. Deal, Pres., 27 William St., New York, acquired Neches Water Co., furnishing water to Port Arthur, Tex., and to many industrial plants; also serves water to extensive rice lands near Beaumont.

Tex., Boerne—City Council let contract to Gombert & Phillips for constructing pump houses, storage reservoirs, elevated tank and foundations; to San Antonio Machine Supply Co., 325 N. Centre St., San Antonio, for pumping equipment and motors installation.

Tex., Dallas—City Water Works advises date of opening bids on purification plant and equipment for pumping station has been postponed; recently noted to receive bids Aug. 8. 7-19

Tex., Dalworth Park—City plans expending \$30,000 for water works extension; H. B. McAllister, Engr., 1315 N. 12th St., Waco.

Tex., Fort Stockton—City extending water works.

Tex., Tornillo—Tornillo Waterworks Co., incorporated; L. N. Shafer, C. A. Mebus.

Tex., Victoria—City plans extending water works system.

Tex., Weslaco—City receives bids to be opened Aug. 10 for filtration plant; Ben T. Sanders, Engr.; W. E. Anderson, San Benito, Const. Engr.

Woodworking Plants

La., New Orleans—Superior Wood Products Co., Inc., capital \$15,000, chartered; T. Harrold Schneidau, 7730 Apricot St.

Tex., Flatonia—Flatonia Crate and Box Factory, incorporated; R. A. Wheeler, C. A. Pearson.

Va., Farmville—Farmville Furniture and Cabinet Co., Inc., Monroe Johns, Pres., let contract to Taylor Mfg. Co. for first unit of plant; first unit to consist of 2 wings, each 50x200 ft., connected with runway at far end 12x75 ft., mill type, iron-clad construction and will be equipped with complete automatic sprinkling system, blower system and heating system; cost \$75,000.

Va., Pulaski—Bd. of Directors of Coleman Furniture Corp. and Pulaski Furniture Co., Inc., approved merger of both companies; will be submitted to stockholders of both companies Aug. 1 for approval. 7-19

FIRE DAMAGE

Fla., Mt. Dora—Princess Theater, W. J. Gorman, Mgr.; loss \$25,000.

Ga., Camilla—Star garage and service station, loss \$8000., operated by Hilliard & Norris.

La., Oakdale—Baptist Church and parsonage, loss \$30,000; address The Pastor; tabernacle, loss \$8000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ga., Athens—Ancient Free and Accepted Masons remodel temple, Lumpkin and Clayton Sts.

La., Alexandria—American Legion Assn., Nugent Hill, Pres., erect \$35,000 to \$40,000 brick community building, Sixth and Washington Sts.; 1 story and balcony or 2 stories, probably 100x100 ft.; "obably have auditorium suitable for gymnasium, dance hall, may have stage; provide armory for National Guard; architect not selected. See Want Section—Building Material and Equipment. 7-12

Md., Elkton—Independent Order of Odd Fellows remodel building.

Md., Highland Beach—Phyllis Wheatley Y. W. C. A., Mrs. Robt. G. McGuire, 1820 Ninth St. N. W., Washington, D. C., Chmn., Camp Comm. plans administration bldg., sleeping quarters, etc., camp site, Black Walnut Creek adjoining Highland Beach.

Mo., Booneville—American Legion, C. H. Huber, Post Commr., considers erecting \$75,000 store and lodge bldg.; brick, 3 stories.

Mo., Jefferson City—Salvation Army, A. A. Speer, member, Advisory Bd., having plans drawn by Leroy H. Parrish for \$25,000 building. 5-24

Mo., Sedalia—Lodge No. 125, B. P. O. E., R. Snyder, member, Telephone Bldg., erect \$40,000 clubhouse, Fourth and Kentucky Sts.; brick, 2 stories; V. J. DeFoe, Archt., Huntzinger Bldg., Kansas City. 2-2

Va., Pulaski—Pulaski Lodge No. 1067, B. P. O. E., expend \$12,000 to remodel lodge building. 2-23

Bank and Office

Ala., Mobile—Powell-Feeks-Duval Realty Co. erect 3-story, fireproof, steel auto storage garage and office bldg., 106 N. Royal St.; add 2 stories to 1-story garage in rear; offices on second and third floors; \$175,000.

Fla., Orlando—Fidelity Title and Loan Co. expend \$40,000 to remodel building, Court St. near Washington St.; Fidelity Co. on first floor, offices above; David B. Hyer, Archt., Phillips Bldg.

Ga., Atlanta—Rhodes-Haverty Co. probably have plans ready about Aug. 1 for \$650,000 office building, Peachtree, James and Forsyth Sts.; terra cotta and brick or granite and brick exterior, rein. conc., struct. steel, 17 stories and basement and 3-story tower, 82x95x80 ft., 4 elevators, 6 stores on ground floor, 85,000 sq. ft. floor space, arcade; Pringle & Smith, Archts., Norris Bldg. 3-15

La., Baton Rouge—Frank Benton and Associates, Shreveport, erect 8-story Medical Arts Bldg.; fireproof, steel frame, brick, stone trim; Edw. F. Neild, Archt., City Bank Bldg., Shreveport.

Mo., California—Farmers & Traders Bank, H. W. Kuhn, Cashr., erect \$35,000 bldg.

Miss., Leakesville—Sam D. Turner's residence, Florida Mid-West Highway.

Mo., Broseley—Broseley Consolidated High School; loss \$20,000.

N. C., New Bern—Neuse Lumber Co.'s plant; loss \$50,000.

Tex., El Paso—Hotel Boston, Overland and Stanton Sts.; Boston Store, 420 E. Overland St.

Tex., Lindenau—Ivan Boetel's residence.

Tex., Pleasanton—Plestex Theater; P. H. Vance's store.

Tex., Pyote—Southwestern storage garage; loss \$20,000.

Tex., San Angelo—Negley & Co.'s paint factory, San Pedro Ave. and Robinson Rd.; loss \$12,000.

Tex., Tyler—McCullough Wholesale Grocery Co.'s store, owned by W. W. McCullough, L. B. Young and others; loss \$70,000.

Tex., Waller—Herman McClellan's City Cafe, Chamber of Commerce Bldg., Dr. C. H. Stewart's office, Roy McClellan's barber shop, Hargraves & Allen Meat Market, J. W. Bradbury's store, Self Service Store, Naegeli Brothers' store, George Pope's City Garage; loss \$50,000.

after plans by L. Parrish, Archt., 115 W. High St., Jefferson City; brick, 1 story. 5-17

N. C., Canton—Champion Bank and Trust Co., W. J. Hampton, Pres., erect rein. conc. and brick bank building; 3 stories; Jas. J. Baldwin, Archt., Taylor Bldg., Asheville.

N. C., Winston-Salem—J. F. Smith Co. erect \$150,000 office bldg.; brick, steel frame, 3 stories and basement, steel sash, built-up roof, steam heat; O. G. Henninger, Archt., 404 Farmers Natl. Bk. Bldg.

S. C., Charleston—Citizens & Southern Bank of South Carolina receives bids July 25 for bank bldg., Broad and Church Sts.; \$100,000, stone, rein. conc. and steel, 2 stories and basement, orna. iron and steel, steel sash and doors, tile, marble and conc. work, built-up roof. Address Olaf Otto, Engr., Arcade Bldg., Savannah, Ga. 5-17

Tex., Brownsville—First National Bank erect \$35,000 addition; brick and terra cotta; 2 stories, 38x43 ft.; Ben C. Clark, Archt.

Tex., Childress—First National Bank and F. & M. Trust Co. erect \$250,000 bank and office bldg.; 5 stories.

Tex., Laredo—M. Bruni receives bids July 27 for fireproof office bldg.; \$150,000 to \$160,000, brick, conc., 5 stories, about 55x110 ft.; Adams & Adams, Archts., Real Est. Bldg., San Antonio.

Tex., Temple—Community Gas Co., E. L. Cobb, Chester L. May, Gen. Mgr., Dallas, erect office and display room, 213 N. Main St.; 1 story; site 30x110 ft.

Churches

Ala., Birmingham—Twenty-fifth Avenue Baptist Church, 25th Ave. and 22d St., North. Rev. J. B. Puckett, Pastor, erect \$20,000 ordinary type building; 3 stories, 50x110 ft., pine floors, conc. foundation, comp. shingle roof, hot air heat; furnishings, equipment, etc., \$10,000; W. A. Rayfield & Co., Archts., Drawer 649; drawing plans.

Ala., Ensley—Ensley Highlands M. E. Church, South, J. F. Burford, Chmn., Bldg. Comm., erect \$65,000 church and Sunday school, Ensley Ave. and Avenue S.; brick and cut stone, 2 stories; Brodie & Surman, Archts., Comer Bldg.; ready for bids about Aug. 20.

Ark., Little Rock—Christ Church, Rev. W. P. Witsell, Rector, erect \$50,000 parish house, 509 Scott St.; Thompson, Sanders & Ginocchio, Archts., Hall Bldg.

Ark., Little Rock—Church of Christ, Sixth and Scott Sts., Rev. W. P. Witsell, Pastor, plans brick parish house; 2 stories; Thompson, Sanders & Ginocchio, Archts., Hall Bldg.

Ark., Searcy—Roman Catholic Church erect brick veneer bldg.; 1 story, wood floors, conc. foundation, stained glass, comp. shingle roof; Clyde A. Ferrell, Archt., 307½ W. Second St.

Fla., Apalachicola—Holy Family R. C. Church, Rev. John H. Massey, Pastor, completing plans for \$25,000 building; brick,

hollow tile and stucco, 1 story and basement, 26x99 ft.; John J. Carey, Archt., 407 State Office Bldg., Mobile, Ala.

Md., Baltimore—Bethany United Evangelical Lutheran Church, Rev. S. A. Snyder, Pastor, erect \$50,000 auditorium and parsonage, Cresmont and 29th Sts.; stone and stucco, slate roof, wood floors, heating not determined; former about 41x60 ft., 1 story and basement; latter 25x40 ft., 2 stories, basement and attic; J. H. Byrens, Archt., 39th St and Roland Ave.

Miss., Canton—Following contractors estimating on \$45,000 Roman Catholic Church, bids Aug. 2: Lundberg & Hayes, Canton; W. J. McGee & Son; W. G. Wetmore; J. W. Garrett, 802 Bellhaven St., all Jackson; W. S. Rutter, Brookhaven; Beckelheimer & Small, Hattiesburg; Howell & Pierce, Greenwood; Currie & Corley, Raleigh; Claude H. Lindsley, Archt., Lamar Life Bldg. 7-12

Miss., Carthage—Baptist Church has low bid at \$16,495 from Currie & Corley, Raleigh, for building; Emmett J. Hull, Archt., Merch Bank Bldg., Jackson. 7-12

Mo., St. Louis—Third Baptist Church, Grand and Washington Bldgs., A. W. Payne, Chmn., Bd. of Deacons, plans to rebuild structure damaged by \$55,000 fire. 7-19

N. C., Danbury—Presbyterian Church, Rev. H. W. Hudspeth, Pastor, plans bldg., Quaker Gap township.

Okla., Oklahoma City—South Side Christian Church, Rev. Mr. Montgomery, Pastor, erect \$20,000 bldg.; brick and conc., pine floors and finish, comp. roof; Hawk & Parr, Archts., Cotton Exchange Bldg.; receiving bids.

S. C., Anderson—First Baptist Church, Dr. Warren M. Seay, Pastor, raising funds for \$60,000 to \$75,000 Sunday school addition.

Tenn., Memphis—Seventh Day Adventist Church, Joe Cleaves, Chmn., Bldg. Comm., Fidelity Bk. Bldg., having plans drawn by Hubert T. McGee, Fid. Bk. Bldg., for \$10,000 Sunday school addition; brick, 2 stories and basement, 24x44 ft., built-up roof.

Tex., Ballinger—First Christian Church, Rev. Alfred Creager, Pastor, remodel bldg.; install pipe organ; \$15,000.

Tex., Childress—King's Memorial Methodist Church completed basement for \$15,000 building. Address The Pastor.

Tex., College Station—First Baptist Church, Rev. R. L. Brown, Pastor, erect \$90,000 semi-fireproof building; 3 stories, 60x120 ft., pine, oak and cement floors, conc. foundation, slate or asbestos roof, steam heat; furnishings, equipment, etc., \$30,000; address W. A. Rayfield & Co., Archts., Drawer 649.

Tex., Corpus Christi—Protestant Episcopal Church of Good Shepherd, D. R. Locher, Sec. of Bd., erect addition; classrooms, etc.; brick veneer, conc. columns; John M. Marriott, Archt., Frost Bldg., San Antonio; owner receiving bids.

Tex., Cuero—Methodist Church remodel and erect additions to building; brick; Paul G. Silber & Co., Archts., Redell Bldg., San Antonio.

Tex., Fort Worth—Four-Square Gospel Lighthouse of Fort Worth, Illinois Ave. and E. Annie St., Rev. Wallace W. Bradley, Pastor, erect bldg.; accommodate 1500.

Tex., Plainview—First Methodist Church erect \$70,000 Sunday school; accommodate 800; plans by Dept. of Architecture, Southern Methodist Univ., Dallas.

Tex., San Angelo—Beth Israel Congregation, D. Goldman, member, Bldg. Comm., erect 55x60-ft. synagogue, Beauregard and Milton Sts.; classrooms, kitchen and showers in basement.

Tex., San Benito—Church of Christ, M. J. Dodson, Chmn., Bldg. Comm., receives bids July 30 for brick veneer building; 1 story and basement, conc. foundation; R. E. Ewing, Archt., Harlingen. 5-17

City and County

Ark., Arkadelphia—City Council considers erecting 1-story brick city hall and fire station building.

La., Homer—City Council erect \$50,000 to \$60,000 fireproof city hall; 2 stories, auditorium seat 750; rein. conc. foundation; Edw. F. Neild, Archt., City Bank Bldg., Shreveport.

La., New Orleans—Commission Council approved plans by Diboll & Owen, Ltd., Archts., Interstate Bldg., for \$1,750,000 criminal courts and parish prison bldg., Tulane Ave. and S. Broad St.; Classic design, granite base, stone, 4 stories, 415 ft. long, 70 ft. high, 16 limestone pillars to height of bldg.; repair and paint shops, storage space and caretaker's quarters in basement; police and

detective depts. and criminal sheriff's quarters on first floor; 7 courtrooms, each 2 stories high, about 45x40 ft., on second floor; jury rooms in rear of court rooms on third floor; Parish prison and house of detention adjoining bldg. at rear, connected by passageway. 5-10

Md., Cumberland—City Council plans police and fire dept. bldg.; R. Holt Hitchins, Archt.; construction to await legislative action on condemnation proceedings for section of site.

Miss., Lexington—Holmes County Bd. of Suprs. receives bids Aug. 7 for alterations and additions to courthouse; \$25,000; tile roof, hollow metal windows, plumbing, wiring, heating, etc.; J. M. Spain, Archt., Millsaps Bldg., Jackson.

Miss., Oxford—City, Taylor McElroy, Mayor, plans 2-story city hall and fire station building.

Mo., Marshall—City votes Aug. 14 on \$65,000 convention hall bonds. Address City Council.

Mo., St. Louis—Bd. of Public Service has low bid at \$31,911 from Atlas Construction Co., Intl. Life Bldg., for Fire Engine House No. 8, Salisbury and Blair Sts.; E. E. Christopher, Archt. 6-28

N. C., Bryson City—Swain County opens bids Aug. 1 at office Benton & Benton, Archts., Fidelity Bldg., Wilson, for jail; \$75,000, rein. conc. and brick, 3 stories and basement, 42x69 ft., comp. roof.

Tex., Brownsville—Edmondson County Fiscal Court receives bids July 27 at office County Clk for 2-story fireproof bldg.; 40x48 ft., conc. block or brick.

Tex., Dallas—City, R. D. Gambrell, Ch., Fire Dept., purchased 3-story building, 2111 Main St., for central fire station; expend \$60,000 to remodel interior; Lang & Wittchell, Archts., Amer. Exch. Bank Bldg. 7-19

Tex., Paducah—City voted \$30,000 city hall and fire station building bonds. Address City Council. 6-28

Tex., Pampa—Gray County Bd. of Commrs., Newton P. Willis, Judge, LeFors, will let contract Aug. 13 for courthouse; \$200,000, fireproof, cut stone and brick, 4 stories, 86x120 ft., elevator, vapor-vacuum heat, 3 entrances; courtroom 47x47 ft. on second floor; courtroom 49x59 ft., with balcony, on third; furnishings, equipment, etc., \$35,000; W. R. Kaufman, Archt.-Engr. 4-26

Va., Lynchburg—City, Walker Pettyjohn, Mayor, to sell city hall property to Government for post office; probably erect new city hall.

W. Va., Clarksburg—Harrison County votes Aug. 6 on \$750,000 courthouse bonds. Address County Comsn. 10-13-27

W. Va., Clarksburg—City, D. H. Hamrick, City Clk., receives bids Aug. 7 for 1-story sub-fire station, Northview; stucco brick, stone and block; plans at office Edw. J. Wood & Son, Archts., Room 30, Lowndes Bldg.

Dwellings

Ala., Birmingham—Richard Randolph, Jr., care Alabama Power Co., erect frame residence and garage, Country Club Gardens; 1 story; Miller & Martin, Archts., Title Guar. Bldg.

Ala., Birmingham—G. C. Lindsay, 714 Cotton Ave., erect 1-story hollow tile and stucco residence, Shades Valley; Miller & Martin, Archts., Title Guarantee Bldg.; bids in.

D. C., Washington—John P. Neff, 3306 McKinley St., N. W., erect \$10,600 residence, 3104 Thirty-third Place, N. W., after plans by John W. Kearney, Archt., 1417 K St., N. W.; brick and tile, 2 stories. 7-5

D. C., Washington—Alfred T. Newbold, Barr Bldg., has permit for frame residence, 3264 S St., N. W.; 2 stories, \$10,000; C. N. Norton, Archt.

D. C., Washington—Chas. D. Sager, 3024 Wisconsin Ave., N. W., has permit for 2 brick dwellings, 505-07 Twenty-fourth St., N. E.; 2 stories; \$15,000; Geo. T. Santmyers, Archt., 917 Fifteenth St., N. W.

Fla., Boynton—Mizner Land Co. erect hollow tile and stucco dwelling; Addison Mizner, Archt., 337 Worth Ave., both Palm Beach.

Fla., Miami Beach—Bliss Stebbins, care Russell Pancoast, Archt., Lincoln Rd., receives bids July 31 for conc. block residence, 23rd St. and Bay Rd.; \$25,000, 2 stories, L shape, 70x20 ft., tile and wood floors, tile roof, wood piles. 5-10

Fla., Miami—Marie G. Egoroff, 956 Euclid Ave., Miami Beach, erect Gibraltar cement tile residence, Atlantic Isle, Sunny Isles; 2 stories, 45x33 ft., wood and tile floors,

tile and comp. roof; Vaviloff & Anderson, Archts.; following contractors estimating: Geo. E. Bunnell, 46 N. E. 47th St.; David Shaw, 435 N. W. North River Drive, all Miami; F. G. Hellens, 613 E. Second St., Hialeah.

Fla., Miami Beach—J. Van Tuyl Daniels, Chicago, Ill., erect conc. tile residence, garage and boat landing, Pinetree Drive near 56th St.; 2 stories, 46x81 ft., wood and tile floors, tile roof; A. Fraser Rose, Archt., 537 Collins Ave., Miami Beach; bids by invitation.

Ga., Athens—Capt. Richard Trimble erect residence, Davison Hampton Court.

Ga., Atlanta—W. A. Parker, 64 Marietta St., N. W., erect \$18,000 residence, Brighton Rd.; brick, 2 stories and basement, hardwood and tile floors, tile or slate roof, steam heat; Ivey & Crook, Archts., Candler Bldg.; following contractors estimating: F. S. Patterson, 1307 Morningside Dr., N. E.; J. D. Butler Const. Co., Glenn Bldg.; W. B. Hiers, 1497 Westwood Ave., S. W.

Ga., Atlanta—C. H. Broward, Healey Bldg., plans \$35,000 residence, Habersham Road; brick, 2 stories and basement, hardwood and tile floors, slate or tile roof, steam heat; Owen J. Southwell, Archt., Haas-Howell Bldg.; plans nearing completion.

Ga., Atlanta—Geo. R. Munn erect residence, Lakeshore Road.

Ga., Atlanta—Jack H. Morgan erect residence, East Lake Road.

Ga., Atlanta—Dr. Robt. W. Standridge, 314 Fourth St., N. E., erect residence, Oxford Road.

Ga., Atlanta—C. H. Litton erect 2 brick veneer dwellings, 898-904 Confederate Ave.; 1 story; \$10,000.

Ga., Canton—Mr. McCandless erect \$30,000 residence; 2 stories and basement; A. Ten Eyck Brown, Archt., Forsyth Bldg., Atlanta; plans completed.

Ga., Savannah—Dr. Everett Iseman, 11 James St., remodel residence, 216 E. Jones St.; \$15,000; offices on first floor; Cletus W. Bergen, Archt., Liberty Bank and Tr. Bldg.

Ga., Savannah—H. H. Crovatt, Blum Bldg., erect 2 duplexes, 49th St. near Paulsen St.; \$18,000.

Miss., Crystal Springs—John Holt, care Illinois Central R. R. offices, erect brick bungalow, Raymond St.; Colonial type, rough face brick.

Mo., Clayton, St. Louis—E. A. Huning, 1468 Rowan Ave., erect \$10,000 brick residence, Country Club No. 2; 30x45 ft.

Mo., Kansas City—Dr. Ross H. Underwood, 602 Argyle Bldg., purchased homes, 6523 Jefferson St., Armour Fields.

Mo., St. Louis—Kennery & Stiegemeier, Archts., Title Guar. Bldg., completed plans for brick dwelling, Fair Oaks; 2 stories and basement, 25x80 ft., hardwood floors, slate roof, hot water heat, oil burner, elect. refrigerator.

Mo., Clayton, St. Louis—T. P. Moore, 1005 LaSalle Bldg., erect \$10,000 brick residence, Wydown Forest; 2 stories and basement, 30x30 ft., hardwood floors, tile bath, conc. foundation, slate roof, hot water heat; Study & Farrar, Archts., Arcade Bldg.

Mo., St. Louis—Aug. P. Fedder, care Theo. Steinmeyer, Archt., 710 Intl. Life Bldg., erect brick residence, 3125 Shenandoah Ave.; 2 stories and basement, 26x31 ft.; bids in.

N. C., Blowing Rock—J. B. Morrison, Salisbury, L. O. Harper, Rocky Mount, T. R. Faust, Greensboro, Jesse Penney, Bailey, and Miss Margaret Tabor, Gilkey, erect summer residences, Azalea Heights, Shulls Mills Rd. near Blowing Rock.

N. C., Charlotte—J. C. Lydon, 907 S. Tryon St., start work about Sept. 1 on \$20,000 brick veneer residence; 2 stories, oak floors, conc. foundation, tile roof; Willard G. Rogers, Archt., Latonia Bldg. See Want Section—Building Material and Equipment.

N. C., Charlotte—W. T. McCoy, 423 S. Tryon St., erect \$18,500 brick veneer residence, 705 Queens Road; 2 stories.

N. C., Charlotte—Miss Ada and Miss Mamie Miller erect \$10,000 brick residence, Henley Place; 2 stories.

N. C., Charlotte—Mrs. E. M. Duncan erect \$10,000 residence, Berkley Drive; brick, 2 stories.

N. C., Charlotte—Mrs. David Hunter 1302 Elizabeth Ave., erect \$12,500 duplex, Briarwood Road; brick veneer, 2 stories.

N. C., Charlotte—H. C. Alexander erect \$12,000 residence, 620 Berkley Ave.; brick and tile, 2 stories.

N. C., Charlotte—C. E. Erwin erect \$12,500 dwelling, Dilworth Rd., W.; brick, 2 stories.

N. C., Charlotte—A. T. Sumney, Vice-Pres., Commr. Natl. Bank, erect \$20,000 residence; brick veneer, 2 stories, tile porch and bath, slate roof, hot water heat.

N. C., Charlotte—Geo. L. Sibley, 607 E. Kingston Ave., erect \$20,000 residence; 2 stories, 50x60 ft., slate roof, tile baths, hot water heat.

N. C., Raleigh—H. L. Faulkner, 304 E. Park Dr., erect \$10,000 residence, Pogue and Horne Sts.

Okl., Oklahoma City—C. D. Fleming erect 2 brick dwellings, 1132-40 W. 29th St.; \$10,000.

S. C., Union—F. H. Garner erect \$25,000 residence; brick, 2 stories and basement, hardwood floors, 2 tile baths, tile roof, steam heat; Jones & Trott, Inc., Archts., Woodside Bldg., Greenville.

Tenn., Memphis—M. G. South, First Natl. Bk. Bldg., erect \$12,000 brick veneer dwelling; brick veneer, 1 story and basement, about 48x28 ft., oak floors, tile bath, comp. shingle roof, hot water heat.

Tenn., Memphis—H. C. King plans brick veneer residence, Central Ave. near Highland Ave.; 1 story and basement, about 70x44 ft., oak floors, tile roof and baths, steam heat; R. L. Seig, Archt., First Natl. Bk. Bldg.

Tenn., Memphis—John A. Thomason, 1921 Linden Ave., erect \$15,000 residence, Walnut Grove Rd.; brick, 1 story and basement, 79x142 ft., oak floors, wood shingle roof, steam heat; Polk W. Agee, Archt., Fidelity Bank Bldg.; plans complete.

Tenn., Memphis—L. C. Walker erect \$10,000 brick veneer duplex, 1698 South Parkway, East.

Tex., Houston—Dr. Edgar H. Lancaster, Medical Arts Bldg., erect \$13,500 residence and garage, 2617 Riverside Drive; brick veneer, 2 stories, 8 rms.

Tex., Houston—Jack W. Landers plans residence, South Blvd. near Bissonnet St.; \$15,000 or more.

Tex., Houston—W. Waugh, 1006 Cordell St., erect \$14,000 duplex, 1000 Enid St.; brick veneer, 2 stories.

Tex., San Antonio—Major Gen. Ernest Hinds, R. T. D., 1400 Grayson Ct., erect \$35,000 addition to residence, Terrell Hills; hollow tile and brick, rein. conc. foundation, 2 stories, 10 rooms, 3 baths, garage and servants' quarters, steam heating system; Harvey P. Smith, Archt.; Willard E. Simpson & Co., Engrs., both Natl. Bk. of Commerce Bldg.

Tex., San Antonio—P. F. Allen, 810 San Pedro Ave., erect brick veneer and half timber residence, Olmos Park Estates; 2 stories, 10 rooms, 2 baths, shower; R. H. H. Hugman, Archt., Tex., St. Bank Bldg.; plans ready about 2 weeks.

Tex., San Antonio—Robt. Van Wyck Maverick, Maverick Bldg., San Antonio, erect \$100,000 Spanish type brick and rein. conc. residence, Argyle Ave., Alamo Heights; 1 and 2 stories, site 100x128 ft. with 50x50-ft. patio in center, 60x24-ft. servants' quarters; 6 baths; Geo. Washington Smith, Archt., Santa Barbara, Calif.; Willard E. Simpson & Co., Conslt. Engrs., Natl. Bank of Comm. Bldg.; Guy C. Holder, Contr., 423 E. Glenn Ave., both San Antonio.

Tex., San Antonio—C. L. Hocker, care Robt. B. Kelly, Archt., Milam Bldg., erect \$30,000 English type residence, 100 block E. Gramercy St.; brick, 2 stories, 3 baths. 7-19

Va., Richmond—Sterling Realty Corp. erect 2 brick dwellings, 3505-07 Park Ave.; \$12,000.

W. Va., McMechen—Bence McMechen, Glendale, plans dwellings, 12th St.

Government and State

Ark., Conway—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., probably soon call for bids for \$150,000 post office; W. L. Winters, Engr., Merch. Bk. Bldg., Fort Smith, Ark. 3-8

Ark., Heber Springs—W. D. Raywinkler remodel Post Office Bldg.; new fixtures, electric work, etc.

Tenn., Paris—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., has low bid at \$45,650 from A. C. Samford, Montgomery, Ala., for remodeling post office. 7-5

Tex., Fort Sam Houston, San Antonio—Constructing Quartermaster Capt. A. W. Parker receives bids Aug. 13 for infantry battalion barracks, including plumbing, heating and wiring; Spanish Mission type, brick,

hollow tile and rein. conc., terra cotta, cast stone, 3 stories, 400x50 ft., with four 50x32-ft. extensions; metal lath and plaster, conc. floors; \$300,000. 5-31

Tex., Fort Sam Houston, San Antonio—Atillery Post Quartermaster P. J. Gorman receives bids Aug. 2 for installation of footings, columns and beams and for gen. repair and painting of building. 203

Va., Hampton Roads, Norfolk—Navy Dept., Bureau of Yards and Docks, Washington, D. C., has low bid at \$196,497 from Virginia Engineering Co., Inc., First Natl. Bank Building, Newport News, Va., for storehouse. 7-12

Va., Lynchburg—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., erect post office; \$550,000 initial expenditure available.

Va., Quantico—Additional contractors estimating on apartment buildings, etc., Marine Barracks; date of bids not announced; Harwood Construction Co., Newport News, Va.; A. C. Samford, Shepherd Bldg., Montgomery, Ala.; R. H. Baker Co., Inc., Kendall Sq. Bldg., Cambridge, Mass.; David C. Butcher, Room 85, Rust Bldg.; John Douglas Co., Union Tr. Bldg.; Doyle & Russell, Grace American Bldg.; Miller Manufacturing Co., Stockton St.; Virginia Machinery and Well Co., 1319 E. Main St., all Richmond, Va.; H. E. Crook Co., 28 Light St., Baltimore, Md.; O'Pry Heating and Plumbing Co., 163 Cotton Ave., Macon, Ga.; Chas. Weitz Sons, 713 Mulberry St., Des Moines, Iowa; Chas. Herbert Spring, 825 Jefferson Bldg., Greensboro, N. C. 7-19

Va., Quantico—Navy Dept., Bureau of Yards and Docks, Washington, D. C., receiving bids (date of opening not set) for power plant equipment, Marine Barracks, using powdered coal for fuel, consisting of water tube boiler, air-cooled boiler settings, pulverizers, burners, smoke flue, turbine and motor driven forced-draft fans, metering feed water heater, storage tank, boiler feed vacuum and condensate pumps, drip traps, exhaust silencer, elect. purometers, meters and other accessories and piping systems; equipment for conveying and storing coal and ashes; refrigerating and ice-making plant; equipment for handling food; heating systems; switchboard transformers; power and lighting circuits; installation of Diesel engine generator set and other apparatus furnished by Government. 7-19

W. Va., Alderson—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids Aug. 7 for retaining wall and conc. gutters, Federal Industrial Institution for Women; drawings from Constr. Engr. at Institution or from office Supvg. Archt.

Hospitals, Sanitariums, Etc.

Ark., Ravenden Springs—Ravenden Resort Co. plans sanitarium; J. P. Almand, Archt., Boyle Bldg., Little Rock. (See Buildings Proposed—Hotels.)

D. C., Washington—Emergency Hospital, 1709 New York Ave., N. W., probably soon let contract for \$200,000 addition; brick, 8 stories, 41x100 ft.; Appleton P. Clark, Jr., Archt., 816 Fourteenth St., N. W. 2-16

D. C., Washington—Children's Hospital, Miss M. Gibson, Supt., 15th and W Sts., N. W., erect \$50,000 convalescent home; brick, 2 stories; C. L. Rodier, Archt., 1707 I St., N. W.

Fla., Tampa—Humane Society of Hillsboro County, 4708 Nebraska Ave., has permit for \$10,000 hospital, Armenia Ave.

Ky., Lexington—Jewish Hospital Assn., Floyd and Kentucky Sts., receives bids Aug. 8 for remodeling and enlarging Jewish Hospital; \$200,000; 97x37 ft., new wing; add 74x40-ft. fourth floor, erect 72x30-ft. power house and laundry bldg., 12 additional rooms at nurses home; Arthur Loomis, Archt., Todd Bldg. 5-17

La., Shreveport—Charity Hospital call for bids about Aug. 1 for \$85,000 administration bldg.; 3 stories, conc. foundation, comp. roof, cement and wood floors; Seymour Van Os, Archt., Merchants Bldg.

Md., Baltimore—Happy Hills Convalescent Home for Children, Inc., Lehr Ave., Mrs. Louis Elias Berg, Sec., having plans drawn by Benj. Frank, 517 N. Charles St., to remodel present bldg. and erect \$150,000 dormitory, Cross Country Blvd. near Rogers Ave.; 100 beds, brick. 2-23

Mo., Carthage—McCune-Brooks Hospital erect \$150,000 bldg.; Hoener, Baum & Froese, Archts., 3605 Laclede St., St. Louis.

Mo., Excelsior Springs—United States Veterans' Bureau, L. H. Tripp, Ch., Constr. Div., Arlington Bldg., Washington, D. C., enlarge U. S. Veterans' Hospital.

Mo., Hannibal—Levering Hospital having plans drawn by LaBeaume & Klein, Archts., Compton Bldg., St. Louis, for \$100,000 brick addition. 6-28

Mo., St. Joseph—Bd. of Public Works let contract at \$20,087 to Batsell & George for tuberculosis pavilion at City Hospital; brick and stone, 2 stories, 75x30 ft., 40 beds, nurses' quarters; Eugene Meier, Archt., Lincoln Bldg. 7-19

N. C., Morganton—Grace Hospital erect \$50,000 hospital bldg.; fireproof, steel frame, brick, 2 stories and basement, comp. roof, steam heat; Chas. C. Hook, Archt., Johnston Bldg., Charlotte.

S. C., Georgetown—Hospital Assn., Rev. H. D. Hull, Chmn., plans \$30,000 infirmary, 12 rooms.

Tex., Big Spring—Drs. Hall and Bennett receive bids Aug. 2 for fireproof hospital; \$65,000, 2 stories and part basement, 127x82 ft., terrazzo, cement and tile floors, conc. foundation, Barrett roof; Peters, Haynes & Strange, Archts., 617 Myrick Bldg., Address Owners. 7-19

Tex., Houston—City Council, Geo. E. Woods, City Mgr., erect \$90,000 addition to Jefferson Davis Hospital; bonds available; clinic, contagious disease building and power house for heating system; plans by W. A. Dowdy, City Archt.

Tex., Slaton—Sisters of Mercy, care Rev. T. D. O'Brien, Pastor, St. Joseph's R. C. Church, erect \$75,000 fireproof sanitarium.

W. Va., Huntington—Bd. of Directors, Chesapeake & Ohio Railway Co., W. J. Harahan Pres., Richmond, Va., authorized expenditure of \$21,144,724 for various improvements on system, including \$235,000 for extension of hospital; plans by H. L. Vandament, Company engineer.

Hotels and Apartments

Ala., Athens—F. H. Armstrong, Box 631, advises that he does not contemplate erecting hotel.

Ala., Huntsville—Erskine Hotel Corp. receives bids July 31 for 12-story and basement, rein. conc. and struct. steel frame, brick, stone trim, fireproof Russell Erskine Hotel; Marr & Holman, Archts., Stahlman Bldg., Nashville, Tenn. 6-21

Ark., Little Rock—Mrs. Sarah M. Stafford, 321½ W. Second St., purchased Stanley Hotel Apartments, Fourth and Center Sts.; remodel interior of upper floors.

Ark., Ravenden Springs—Ravenden Resort Co. remodel Southern Hotel; J. P. Almand, Archt., Boyle Bldg., Little Rock.

D. C., Washington—V. & R. Cahill, 812 17th St., N. W., erect \$30,000, 2-story apartment, 221 O St., N. W.

Fla., Miami—Louie N. Weber, 225 N. E. 16th St., remodel hotel and install 18 baths; \$10,000; Geo. L. Pfeiffer, Archt., Biscayne Bank Bldg.

Ga., Atlanta—Mrs. M. Walsh erect 14-unit apartment, 69 Maddox Drive.

Ga., Atlanta—Mrs. J. O. Noel, 975 Greenwood Ave., N. E., erect \$12,000, 2-story and basement apartment, 789 Frederick St., N. E.; comp. roof, hardwood floors, steam heat.

Ga., Valdosta—Thomas Young Ashley and Charles Converse erect \$25,000, 2-story, brick and tile apartment and store on N. Patterson St.

La., Monroe—Following contractors estimating on \$200,000, 7-story, 40x120 ft., 125-room, rein. conc., steel, brick, stone trim, fireproof hotel for N. Kalil & Son, 439 DeSiard St.; Sandquist & Snow, Tudor & Radcliff, Alexandria; Glassell-Wilson Co., 501 Texas St., Shreveport; J. H. Leveck & Sons, Glover Bldg., Little Rock, Ark.; Lee Ellis, W. C. Salley, Ouachita Natl. Bank Bldg.; George C. Love, 500 L St.; Frank Mashine, 1310 S. Grand St., Monroe; J. H. Reddick & Co., Kennedy Bldg., Fort Smith, Ark.; Knapp & East, Kaufman Bldg., Lake Charles; B. E. Buffaloe & Co., 638 East St., Memphis, Tenn.; W. J. Quick, Swift Bldg., Lake Charles; to be leased by A. H. Alvis; J. W. Smith and Associates, Archts., Ouachita Bank Bldg. 6-21

Miss., Corinth—M. T. Sharp, Sec., Chamber of Commerce, promoting erection of \$275,000, 100-room, fireproof hotel.

Miss., Hattiesburg—Chamber of Commerce promoting erection of hotel.

Miss., Meridian—C. F. DeMuller, 18th St. and 23rd Ave., erect \$15,000, 2-story and basement, stucco apartment, Magnolia Drive and 31st St.; owner, Archt.

Mo., St. Louis—L. Sinn, 6838 McNamee St., has permit for 2-story, 24x47-ft. brick tenement, 5832 Labadie St.; asphalt shingle roof, hot air heat.

Mo., St. Louis—Frank Yawitz, 2333 Pine St., Pres., Maxine Realty Co., erect \$750,000, 10-story apartment, 4339-41 W. Pine Blvd.; 65 to 75 suites.

N. C., Charlotte—Mecklenburg Hotel, A. W. Hartley, Mgr., expend \$25,000 to \$30,000 for improvements.

N. C., Charlotte—F. C. Abbott & Co., Johnston Bldg., soon let contract for \$40,000, 3-story brick and stone apartment on Elizabeth Ave.

Okla., Oklahoma City—Oklahoma Hotel Building Co. organized with \$1,500,000 capital; C. E. Colcord, Pres., 421 W. 13th St.; M. J. Reinhart, 1st V.-P., 601 W. 33d St.; W. T. Haines, 2d V.-P.; Frank P. Johnson, Treas., 439 W. 15th St.; J. B. Landers, Sec., Oklahoma Club Bldg.; completed financing of \$4,000,000 hotel and garage project, Grand Ave. and Harvey St.; Hawk & Parr, Archts., First Natl. Bank Bldg., completing plans and specifications to include 25-story, 150x140 ft., 1000-room H-type hotel and 8-story, 100 ft. frontage auto hotel adjoining; Gothic architecture, brick and marble.

Okla., Tulsa—J. R. Forner of J. R. Forner Co., Ritz Bldg., erect 4-unit community apartment covering area 200x150 ft., 16th St. and Utica Ave.; 3 buildings to be 3 stories, other 2 stories, steel, gypsum, brick, clubroom 32x50 ft., 35-car garage; F. W. Redlich, Archt.

S. C., Columbia—Dr. J. R. Ellison erect \$55,000, 2-story and basement, 40x125-ft., hollow tile and stucco, stone trim, 16-unit apartment; hardwood and tile floors, steam heat; Chas. C. Wilson, Archt., Palmetto Bldg.

Tenn., Knoxville—Dr. G. C. Hutson, General Bldg., and J. H. Wilson, Flat Iron Bldg., erect \$100,000, 5-story, brick apartment, 512 W. Hill Ave.; 30 suites; also remodel residence at 510 W. Hill St. for apartment.

Tex., Alice—Homer Presnall, Trustee, postponed date of opening bids for 5-story, 46x74-ft., brick, rein. conc., stucco, stone hotel; having plans revised and soon call for bids to include addition to one-story portion; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi; Homer Matthews, Struc. Engr., Bedell Bldg.; Lloyd D. Royer, Mech. Engr., Travis Bldg., both San Antonio. 7-12

Tex., Dallas—City Wrecking & Trading Co., 2113 McKinney St., razing buildings, Main and Martin Sts., to make way for \$1,000,000, 400-room hotel for Morten Investment Co.; W. Scott Dunne, Archt., Melba Bldg. 7-19

Tex., Donna—A. C. Eagles, San Antonio, leased Donna Hotel; building to be stuccoed, repainted, refurnished and refurbished.

Tex., Georgetown—T. E. Smith, 323 W. 22nd St., Houston, and associates erect first unit of Smith Hotel, Main and Seventh Sts.; 3 stories and basement, cafe, club dining room, store and lobby on ground floor.

Tex., Mason—Carl Runge and Elgin O. Kothman erect \$70,000, 3-story and basement, 42x105-ft., 35-room, fireproof, rein. conc. brick hotel; built-up roof, cement and tile floors; H. F. Kuehne, Archt., 824 Littlefield Bldg., Austin.

Tex., San Antonio—Woodlawn-San Pedro Co-Operative Apartment Corp., P. M. Chamberlain, Promotion Engr., soon start work on first unit of apartment project; 6 stories, \$309,000; erect second unit to cost \$289,000 upon completion of first.

Miscellaneous

Ark., Fayetteville—Arquoyah Club, Mount Sequoyah Assembly, Dr. G. G. Davison, Chmn., Conway, erect \$25,000 library.

Ark., Jonesboro—Convent Maria Stein, St. Bernards Hospital, receives bids Aug. 1 for \$150,000, 4-story, 153x50-ft., fireproof convent; hardwood and terrazzo floors, tar and gravel roof; Henry J. Kramer, Archt.-Engr., Goodwyn Institute Bldg., Memphis, Tenn. 6-28

D. C., Washington—Potomac Freight Terminals Co., Col. Wrisley Brown, Pres., 4½ and D Sts., S. W., announced plans for immediate development of Water Street Terminal area in Southwest Washington to include construction of stores on Water St. from 12th to 14th St., to cost \$300,000; complete railroad bridge across Water St. to cost \$200,000; lay track from bridge into terminal area; construct stores for the poultry trade at 12th and E Sts., opposite Water St. Terminal, to cost \$100,000, and provide other facilities.

D. C., Washington—National League of American Pen Women, Mrs. Clarence M. Busch, Pres., Miami, Fla., temporary address, Willard Hotel, Washington, erect \$45,000, 2-story, 55x108 ft., brick, Colonial type

building in Georgetown; auditorium to seat 400 people; John M. Donn, Archt., 1219 Connecticut Ave., N. W.

Ga., Tate—Sam Tate, H. R. Cannon, Battle Bldg., Atlanta, and associates, develop 8000-acre site at Tate mountain in Pickens County for pleasure resort and recreation center to be known as Tate Mountain Estates; erect hotel, construct golf links.

Mo., St. Joseph—Club Enterprises, Inc., John F. Studley, Pres., Robidoux Hotel, plans to start work Aug. 1 on clubhouse for Club Casa Del Largo at Sugar Lake, 19 mi. from St. Joseph; project to cost \$750,000 includes clubhouse, bathing pavilion, 21 cottages, boys' and girls' camps, aviation field, ¼-mi. race track, stables for several hundred horses; Robt. B. Williamson, Archt., 19 S. LaSalle St., Chicago. 5-24

Mo., St. Louis—A. W. Johnson and Bradford Shinkle, care Johnson, Stephens & Shinkle Shoe Co., 4242 Laclede Ave., soon call for bids for \$70,000, 1 and 2 story, stone riding stable, Lay and Litzinger roads, St. Louis county; Jamieson & Spearl, Archts., 1116 Arcade Bldg.

N. C., Kitty Hawk—Currituck & Dare Bridge Corp., Elizabeth City, plans development summer resort near Kitty Hawk; pavilion with dance floor, dining room, refreshment stands, bath houses, 50 to 100-room hotel, various amusement devices.

Tenn., Memphis—St. Catherine's Club, Mrs. S. N. Williamson, Chmn., Bldg. Comm., 849 Poplar St., soon let contract for remodeling and 2-story, 45x56 ft., brick addition; Regan & Weller, Archts., Dermon Bldg.

Tex., Houston—Houston Turnverlin Club, Walter Pestell, Chmn., Bldg. Comm., 1314 Prairie St., probably call for bids July 31 for \$70,000, 2-story, hollow tile, brick and stucco clubhouse, Alameda road and Southmore Blvd.; Joseph Finger, Archt., Keystone Bldg. 5-10

Tex., Weslaco—Llano Grande Country Club, John W. Herndon, Pres., erect \$20,000, 2-story, hollow tile and stucco, Spanish type clubhouse; tile roof; R. Newell Waters, Archt.

Railway Stations, Sheds, Etc.

Ky., Madisonville—Louisville and Nashville R. R. W. H. Courtenay, Ch. Engr., Louisville, reported, erect \$60,000 to \$75,000, 2-story depot.

Tex., Childress—Fort Worth and Denver City Rwy. Co., R. C. Gowdy, Ch. Engr., Denver, Colo., erect \$83,000 station; also express and freight depots, total \$100,000.

Tex., Memphis—Fort Worth and Denver City Rwy. Co., R. C. Gowdy, Ch. Engr., Denver, Colo., award contract about Aug. 1 for depot and improvements to yard and tracks; \$125,000.

Schools

Ala., Dothan—Bd. of Education, O. L. Tompkins, Chmn., erect addition and alter Junior High School, erect addition and remodel Rose Hill School, erect elementary school; Hirsch & Jones, Archts., 306 Vandiver Bldg., Montgomery; bids in. 6-12

Ala., Montgomery—Following contractors estimating on \$1,000,000 Lanier High School for which bids are to be received July 31: Southern Ferro Concrete Co., 70 Ellis St., N. E.; A. J. Krebs Co., Walton Bldg., both Atlanta; A. C. Samford, Shepherd Bldg.; Algernon Blair, 11 S. Lawrence St.; Hugger Bros. Const. Co., Shepherd Bldg., all Montgomery; Foster & Creighton Co., First Natl. Bank Bldg., Birmingham; Palmer-Spivey Const. Co., 404 S. Tryon St., Charlotte, N. C.; Seaboard and Southern Construction Co., Hildebrandt Bldg., Jacksonville, Fla.; J. L. Crouse, American Bank Bldg., Greensboro, N. C.; Ward & Ward, Fairmont, W. Va.; O. M. Gwin Construction Co., Union Indemnity Bldg., New Orleans, La.; plans by Frederick Ausfeld, Archt., Shepherd Bldg., include 3 stories and basement, gymnasium, auditorium, cafeteria, shops, main unit 465x120 ft., auditorium wing, 96x104 ft., one-story and basement; gymnasium 2 stories and basement, 132x76 ft., rein. conc., brick, limestone trim, Barrett or built-up roof. 6-21

Ark., Conway—Hendrix College, Dr. J. H. Reynolds, Pres., erect \$90,000, 2-story, fireproof building to replace Main Hall destroyed by fire; Whittenbert & Deloney, Archts., Little Rock; proceed with plans for science hall upon completion of Main Hall.

Ark., Hatfield—School Dist. No. 22 voted \$20,000 bonds for improvements and indebtedness; Polk County Bd. of Education, Mena.

D. C., Washington—District Commrs., 509 District Bldg., receives bids Aug. 6 for 8-

room addition and combination gymnasium and assembly hall for Morgan School, California St., N. W.

D. C., Washington—District Commrs., 509 District Bldg., soon call for bids for E. A. Paul Junior High School bounded by Nicholson, Peabody, Eighth and Ninth Sts. and Concord Ave., N. W.; building to cover 27,213 sq. ft., 4 stories, fireproof, 40 classrooms, lunchroom and auditorium; A. L. Harris, Municipal Archt., District Bldg. 10-27-27

D. C., Washington—Devitt Preparatory School, 1418 33d St., N. W., purchased Todd Hall, 2953 Upton St., N. W., and remodel.

Fla., Bradenton—Special Tax School Dist. No. 17 votes Aug. 3 on \$25,000 bonds; B. D. Gullett, Supt., Manatee County Bd. of Public Instruction.

Fla., Boca Grande—Lee County Bd. of Public Instruction, Fort Myers, let contract to C. F. Wheeler & Co., Fort Myers, for \$30,000 New Prospect school; postponed bids on \$50,000 Boca Grande school for 30 days; N. G. Walker, Archt., Fort Myers. 7-5

Fla., Starke—Special Tax School Dist. No. 2 votes July 31 on \$20,000 bonds; Bradford County Bd. of Public Instruction.

Fla., West Palm Beach—Palm Beach County Bd. of Public Instruction erect \$40,000 Junior High School in South Bay; Harry Bennett, Archt.

Ga., Decatur—City Bd. of Education selected Edwards & Sayward, 101 Marietta Bldg., Atlanta, to prepare plans for additions and improvements to schools; \$85,000 bonds voted. 7-12

Ga., Elberton—School Bd., W. O. Jones, Chmn., erect one-story, 58x115-ft. brick veneer grade school; \$12,000 bonds voted; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta; day labor. 7-12

Ky., Frankfort—Franklin County Bd. of Education, N. J. Parsons, Supt., rebuild Pleasant View School; bids in.

Ga., Macon—Bibb County votes Nov. 6 on \$500,000 bonds for school improvements to include graded school in Log Cabin Heights section, school in Ingleside, Junior High School for Girls, addition to building of Alexander 3, construction of shop spaces at Boys' High School, graded school on Washington Ave., improvements to negro schools; W. O. Kinney, Chmn., School Commrs.

La., Baton Rouge—East Baton Rouge Parish School Bd. receives bids Aug. 6 for one-story, brick elementary school in North Baton Rouge; plans at office Lewis A. Grosz, Archt., Raymond Bldg.

La., Covington—St. Tammany Parish School Bd., Elmer E. Lyon, Sec., receives bids Aug. 17 for \$110,000, 2-story, rein. conc., brick, stone trim high school addition; slate roof; plans at office Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 6-14

La., Gretna—Jefferson Parish School Bd. receives separate bids Aug. 16 for 3-classroom school at Harvey; 4-classroom addition to school at Kenner; 2-classroom school at Rosehorn; one-classroom addition to school at Grand Isle; all additions frame, with exception of Kenner school which will be brick; Theo. A. Perrier, Archt., Marlin Bldg. 6-28

La., Lafayette—C. J. McNasphy, Faculty Adviser, Phi Kappa Alpha Fraternity, Southwestern Louisiana Institute advises will not build frat house for year or two. 7-19

Md., Brookland—De La Salle College for Christian Brothers selected Milburn, Heister & Co., Hill Bldg., Washington, D. C., as architects for group of buildings to cost \$750,000; 3 stories and basement, Ecclesiastical Tudor style, accommodate 100 scholastics studying for brotherhood and 150 students; basement for recreation rooms, boiler room, mechanical plant and storage rooms; ground floor for 2 lecture rooms, dining halls, gymnasium, swimming pool, 6 classrooms and 4 laboratory rooms; first floor for library, reception rooms, study halls, 13 classrooms, scholastics' common room and chapel accommodating 600; second floor for infirmary and 100 bedrooms and study halls; third floor, 120 bedrooms and study halls.

Md., Galena—Kent County Bd. of Education, Chestertown, erect \$15,000 elementary school.

Md., Rock Hall—Kent County Bd. of Education, Chestertown, erect \$20,000 elementary school.

Miss., Kewanee—Kewanee Consolidated Dist. School Trustees to erect \$30,000 brick school; built-up comp. roof; Bart Stuart, Archt., 1401 24th Ave., Meridian; bids in. 7-5

Miss., Orange Grove—Orange Grove Separate School Dist. votes July 31 on \$15,000 bonds.

Miss., Steens—Piney Grove School Dist. Trustees receive bids Aug. 4 for \$10,000, one-story, brick school; plans at office Lowndes County Bd. of Education, Columbus. 7-12

Miss., Wesson—Robert Rae, Supt., Agricultural High School, receives bids Aug. 6 for two \$50,000, 2-story, brick buildings at Agricultural High School to serve as Junior College for Copiah and Lincoln Counties; also for \$25,000 repairs to present structure; comp. roofs, stone trim; Emmett J. Hull, Archt., Merchants Bank Bldg., Jackson. 6-28

Mo., Broseley—Broseley Consolidated School Dist. Trustees erect building to replace structure destroyed by fire at loss \$20,000.

Mo., Excelsior Springs—School Bd. plans high school; Owen-Sayler & Payson, Archts., Interstate Bldg., Kansas City, preparing preliminary plans.

Mo., Maplewood—Bd. of Education, J. J. Bridell, Pres., plans \$195,000, brick, rein. conc. high school, Big Bend and Manchester roads; Wm. Be. Ittner, Inc., Archt., Bd. of Education Bldg., St. Louis.

Mo., St. Louis—Bd. of Education, R. M. Milligan, Commr. of School Bldgs., Bd. of Education Bldg., received low bid at \$199,397 from Humes-Deal Co., 777 Arcade Bldg., for 76x161 ft. addition to Lindenwood School, and at \$301,257 3-story, 63x191 ft. addition to Kennard School; at \$39,500 from Lolan & Krauss Construction Co., 4525 Chouteau Ave., for Central High School, 1030 N. Grand Blvd.; all structures brick. 5-24

Mo., St. Louis—Central Institute for Deaf Bd. of Directors, 828 S. Kingshighway, broke ground for 3 and 4 story, 216x80-ft. school and dormitory building; \$400,000; Wm. B. Ittner, Archt., 911 Locust St. 6-30-27

Mo., Walker—Bd. of Education, S. R. Fisher, Supt., erect \$40,000, 2-story brick school; H. D. Pampel, Archt., 702 Finance Bldg., Kansas City.

N. C., Greensboro—Bishop W. J. Hafey, Raleigh, applied for permit for \$17,000 Catholic missionary school for negroes on Gorrrell St. and \$8000 residence near school; buildings designed by Rev. Father Michael, Belmont.

N. C., Louisburg—School Bd., M. S. Chilton, Chmn., erect 6-room brick veneer school; bids in.

N. C., Louisburg—Louisburg College erect \$125,000 art building; 3 stories and basement, brick, steam heat, auditorium to seat 1000 people; M. S. Davis, Archt.; Atwood & Nash, Asso. Archts., Chapel Hill.

N. C., Statesville—School Bd. erect \$75,000, 12-room, brick, stone trim school in South Statesville; combination auditorium and gymnasium with seating capacity 450 people.

Okla., Ardmore—City voted \$135,000 bonds for 2 ward schools; John R. Dexter, Pres., School Bd. 7-12

Okla., Cushing—Ind. School Dist. No. 67, J. E. Hickman, Supt., erect 8-classroom and auditorium grade school and remodel old Harding and Central buildings; \$30,000 bonds voted. 7-12

Okla., Muskogee—State Bd. of Public Affairs, J. Robt. Gillam, Sec., Oklahoma City, received low bid at \$30,000 from O'Connor Heating and Plumbing Co. for power plant at School for Blind.

Okla., Oklahoma City—Oklahoma County, G. Fishbeck, Clk., receives bids July 30 for school in Dist. No. 58.

S. C., Spartanburg—Following contractors estimating on \$200,000, 2-story, 250x199 ft., rein. conc., steel, brick stone trim, 4-classroom and auditorium Converse Heights Grammar School for which bids will be received Aug. 16: LaGrange Lumber & Supply Co., LaGrange, Ga.; W. A. Cray & Son, 1226 Sumter Co., Columbia; Brown-Harry Co., E. Main St., Gastonia, N. C.; Fiske-Carter Co., Masonic Temple Bldg., Spartanburg; Burns-Hammond Construction Co., Jefferson Standard Bldg., Greensboro, N. C.; Joe W. Stout Co., Sanford, N. C.; Palmer-Spivey Const. Co., 404 S. Tryon St.; J. J. McDevitt Co., Builders Bldg.; Southeastern Construction Co., 210 W. Second Bldg.; T. C. Thompson & Bros., 609 N. Smith St., all Charlotte; C. C. Wilson, Archt., Palmetto Bldg., Columbia; W. Paul Williams, Asso. Archt., Harris Bldg. 6-14

Tenn., Knoxville—University of Tennessee, Thos. D. Morris, Sec., probably call for bids in Aug. on chemistry building; Barber & McMurry, Archts., General Bldg. 1-12

Tex., Alvin—Alvin Ind. School Dist. Trustees, C. H. Herring, erect \$75,000, 2-story, brick,

tile, stone high school; Lamar Q. Cato, Archt.; Robt. J. Cummins, Engr., Bankers Mortgage Bldg., both Houston; bids in.

Tex., Beaumont—Bd. of Education received low bid at \$157,094 from Christy-Dolph Construction Co., Construction Industries Bldg., Dallas, for additions to Dick Dowling and David Crockett Junior High Schools; low bid on plumbing and heating, \$22,700, Ed E. Eastham, 356 Fannin St.; Livesay & Wiedeman, Archts., San Jacinto Bldg. 7-12

Tex., Beeville—School Bd., H. O. Sackoville, postponed date opening bids for one-story, 200x100 ft., brick, hollow tile high school; call for new bids in about 15 days; cast stone trim, conc. and wood floors with alternate on linoleum; Page Brothers, Archts., Austin Natl. Bank Bldg., Austin, and Brownsville. 7-12

Tex., Coahoma—Shool Bd. erect \$35,000 high school; Peters, Haines & Strange, Archts., Lubbock and Big Springs.

Tex., Combes, Harlingen—Harlingen Ind. School Bd., R. B. Hamilton, Sec., erect \$15,000, one-story, brick, rein. conc. school; Page Brothers, Archts., Austin Natl. Bank Bldg., Austin, and Brownsville; bids in July 24. 7-12

Tex., Cotulla—School Bd. erect one-story, conc. brick and steel school; \$20,000 bonds voted; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., approved preliminary plans by Harry D. Payne, Archt., K'rbv Bldg., for Chevy Chase, Studewood and Forest Hill elementary schools; also 6-room addition at DeZavalla School in Magnolia Park.

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., having plans prepared by L. A. Glover, Binz Bldg., for 3-story, 15-classroom addition to Alexander Hamilton Junior High School, Heights Blvd. and 20th Ave. 6-14

Tex., Long Mott—School Bd. soon call for bids for \$20,000, one-story, 6-room brick school; Kai Lefland, Archt., Victoria.

Tex., Oates Prairie—Oates Prairie School Dist. votes July 28 on \$16,000 bonds for school; H. L. Washburn, Auditor.

Tex., Pharr—Bd. of Mission, M. E. Church, South, care Valley Institute, Georgia Swanson, Supt., erect \$20,000, 2-story, 87x70-ft. brick, stucco, rein. conc. building; auditorium, classrooms, laboratory, recreation room; also alterations to present building; Tisdale, Stone & Pinson, Archts., 1103 Goodhue Bldg., Beaumont, and 1016 Ind. Life Bldg., Nashville, Tenn.; bids in. 7-5

Tex., Plainview—Plainview Ind. School Dist., Winfield Holbrook, Pres., receives bids July 30 for ward school; plans at office Kerr & Walsh, Archts., Security State Bank Bldg., Plainview, and Amarillo Bldg., Amarillo.

Tex., Prairie View—Waller County Bd. of Education, Miss Allie Bland, Supt., Hempstead, erect Industrial Building and two out buildings; bids in.

W. Va., Alum Bridge—Freeman's Creek Dist. School Bd. erect junior high school; Carl Reger, Archt., Morgantown; bids in.

Va., East Radford—State Teachers' College, Dr. John P. McConnell, Pres., erect building; Frye & Stone, Archts., Mac Bain Bldg., Roanoke; bids in.

W. Va., Shepherdstown—Bd. of Education erect High School. 11-17-27

Stores

Ala., Opelika—L. F. Dixon remodel interior and exterior of 2-story and basement store; tar and gravel roof; \$18,000; R. Kenyon Perry, Archt., Wynne-Claughton Bldg., Atlanta, Ga.; bids in July 27. 7-12

Ark., Little Rock—Charles L. Thompson, Archt., Hall Bldg., erect one-story, 40x140 ft. store on Main St. to be leased to J. C. Penney Corp., 330 W. 34th St., New York.

Ark., West Helena—C. M. John & Sons Sand & Gravel Co., Helena, erect \$25,000, 1-story, rein. conc. brick store and office.

D. C., Washington—Potomac Freight Terminals Co., Col. Wrisley Brown, Pres., 4½ and D Sts., S. W., announced plans for immediate development of Water Street Terminal area in Southwest Washington to include construction of number of stores. See Buildings Proposed—Miscellaneous Building.

D. C., Washington—Boggs Land Co. erect four 1-story conc. block stores, 3710-16 Macomb St., N. W.; \$16,000.

Fla., Miami Beach—S. A. Berni, 28 N. W. 13th Ave., Miami, receives bids Aug. 11 for

2-story, 31x49 ft., rein. conc. brick store and apartment, Collins Ave.; Geo. L. Pfeiffer, Archt., Biscayne Bank Bldg., Miami. 7-19

Ga., Atlanta—L. D. Thompson has permit for remodeling and addition to building, 150 Ponce de Leon Ave., N. E.; \$10,000.

Ga., Decatur—F. O. Watkins erect \$15,000, 2-story, 82½x86 ft., brick and tile store and office building on E. Ponce de Leon Ave.; tar and gravel roof, conc., hardwood and tile floors; H. A. Rawlins, Archt. See Want Section—Building Material and Equipment.

Ga., Savannah—United Department Stores, R. Arkin, remodel store at 215 Broughton St., W.

La., Columbia—Dr. L. R. Adams erect 2-story brick store and office on Main St.

La., Columbia—W. H. Waggoner erect brick building.

La., Lafayette—Maurice Heyman soon call for bids for 2-story, rein. conc., steel, fireproof addition and remodeling interior of store; \$50,000; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans.

Mo., Cape Girardeau—Bartels Mercantile Co., 535 Broadway, purchased building at 737 Broadway and remodel.

Mo., Cape Girardeau—J. T. Cherry erect \$20,000 brick building on Broadway; Reither & Lindsay, Archts.

Mo., Cape Girardeau—J. C. Penney Corp., 330 W. 34th St., New York, erect 2-story building on Main St.

Mo., Cape Girardeau—Bohnsack Clothing Co. remodel store on Main St.

Mo., Cape Girardeau—Neal Hardware Co. soon start work on one-story and basement, brick, terra cotta trim store on Broadway.

Mo., St. Louis—S. D. Rossi, Inc., care Gustav Wuest, 922 Wainwright Bldg., soon let contract for one-story and basement, 30x48-ft. brick store, Forsythe St. and Lindell Blvd.

Mo., St. Louis—M. Milano, 5147 Shaw Ave., erect \$60,000, 2-story brick store and apartment, Southwest Ave. and Cooper St.; C. E. Etz, Archt., Title Guaranty Bldg.

N. C., Asheville—S. H. Michalove, Propr., I. X. L. Dept. Store, 60 Patota Ave., acquired Honess Building, 70 Patton Ave., and remodel; 3 stories and basement.

N. C., Hickory—J. C. Penney Corp., 330 W. 34th St., New York, erect building on 13th St.

N. C., Winston-Salem—E. L. Efrd, Country Club Road, has permit for \$16,000, one-story, 41½x140 ft., brick and steel store on N. Trade St.

Tenn., Memphis—J. D. Browder erect \$15,000, 50x140-ft. brick building, Seventh and Noel Sts.

Tex., Childress—F. & M. Trust Co. erecting grocery store and studio; \$21,500.

Tex., Childress—Witherspoon Wholesale Produce Co. erect \$15,000 building.

Tex., Childress—Goodner Wholesale Grocery Co. soon start work on \$15,000 building.

Tex., Dallas—J. H. Z. and Kitty Shuford erect \$10,000, one-story brick building, 1400 Camp St.

Tex., Houston—Furman Co., 21 S. Shepherd St., plans \$70,000, 2-story, fireproof, brick and stone building, Commerce and Shepherd Sts.

Tex., Tyler—W. W. McCullough and associates erect building to replace McCullough Wholesale Grocery Co. store destroyed by fire at loss of \$70,000.

Theaters

Miss., Hattiesburg—Saenger Theaters, Inc., 1401 Tulane St., New Orleans, plans to remodel and refurbish Lomo Theater; Emile Well, Inc., Archt., Whitney Bank Bldg., New Orleans.

Tex., Denison—Little Theater Bd. of Directors, J. J. Boyd, Chmn., Bldg. Comm., purchased site on Rusk Ave. and plans to erect building.

Warehouses

Tenn., Knoxville—Realty Storage Co. has permit for \$22,000 brick warehouse, Grand Ave. and 20th St.

Tenn., Knoxville—H. A. Gervin, 3028 Glenfield Dr., and J. A. Roehl, Aconda Ct., erect \$15,000, stone tile and steel warehouse, Atchley St.

Tex., Big Spring—Craigen & Sons leased 140x150-ft. site and plan warehouse.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Ga., Savannah—Savannah Lodge No. 183, B. P. O. E., let contract to E. Morgan, Ott St., for \$18,000 addition; 57x37 ft., maple floor; Henrik Wallin, Archt., Realty Building. 6-14

Mo., St. Louis—Grand Court of Calanthe of Missouri started work on \$350,000 temple. Finney and Sarah Aves.; brick, 4 stories, fireproof, steam heat, 2 elevators, hot and cold water, gas, elect. lighting; drill room in basement; 11 stores, 54 offices, 3 lodge halls, assembly room, clubroom, roof garden; Chas. H. Wray, Archt., Rialto Bldg.

W. Va., Parkersburg—Nemesis Patrol, A. A. O. N. M. S., let contract to D. A. Criss for 1/2-mile cement road circling Fort Boreman; Shrine to erect 200x300-ft. temple and develop park. 6-16-27

Bank and Office

Ala., Birmingham—Mortgage Co. of Alabama, American Traders Bldg., remodeling quarters; \$11,000; Wm. Leslie Welton, Archt., American Traders Bldg.; Johnson-Woolley Construction Co., Contr., 30 Third Ave. N. W. (Lately noted under Stores.) 7-19

Fla., Miami—First National Bank remodel stock exchange rooms, 101 E. Flagler St.; \$15,000; rubber flooring, decoration; owner builds.

Md., Baltimore—Potts & Callahan, Inc., Knickerbocker Bldg., Baltimore, have excavation contract for \$3,000,000 bank and office building for Baltimore Trust Co.; 7700 tons fabricated struct. steel and 200 tons rein. steel to McClintic-Marshall Co., Pittsburgh, Pa.; Taylor & Fisher, Union Trust Bldg., and Smith and May, Calvert Bldg., Archts.; Herman F. Doebleman, Struct. Engr., 516 N. Charles St.; J. Henry Miller, Inc., Contr. Eutaw and Franklin Sts., all Baltimore. 7-12

Md., Baltimore—Park Bank, Webster Bell, Pres., let contract to Morrow Bros., Inc., Fidelity Bldg., for 5-story and basement addition, 104 Lexington St.; brick, rein. conc., terra cotta trim, steel frame, 23x137.6 ft., banking room to take in present bldgs., providing space 92x60x140 ft.; marble and glass counters, bronze banking room trim and grill work, mahogany finish; marble and wood floors, Barrett roof, 200,000; furnishings, equipment, etc., \$75,000; Josias Pennington, Archt., Prof. Bldg.; Herman F. Doebleman, Struct. Engr., 516 N. Charles St. See Want Section—Building Material and Equipment. 6-14

Tex., Dallas—Brinkerhoff & Bennett, Amer. Exch. Bank Bldg., let contract to A. J. Rife Construction Co., 614 Largent St., for \$750,000 medical and dental office and store building, Jefferson and Bishop Aves., Oak Cliff; work started; office section in center; structure 470 ft. long, 75 ft. deep, 8 stories and basement, fireproof, rein. conc., conc. floor slabs, brick and terra cotta exterior; hollow tile partitions between stores and around stair walls and elevator shafts; metal lath and plaster partitions in office section; terrazzo floors, terra cotta walls and ornate ceilings in office entrance, rubber tile corridor floors, marble wainscoting, sanitary flush type doors, provision for X-ray equipment, sterilizers, circulating ice water, compressed air, gas, elevators; drug store and surgical supply shop on first floor of office section; other section 1 story, having 18 stores; Flint & Broad, Archts., Melba Building. 2-16

Churches

Ark., Pigott—Methodist Episcopal Church, South, J. W. Hamilton, Chmn., Bldg. Comm., let contract at \$27,341 to Porterfield & Polard for bldg.; brick, 2 stories and basement, 65x96 ft., oak floors, comp. roof, steam heat; plans by Mr. Porterfield. 2-9

Ky., Louisville—South Louisville Christian Church let contract for \$35,000 first floor unit of \$100,000 building, Kenton St. and Southern Parkway, to General Construction Co., 231 S. Fifth St.; assembly room seat 600, 3 classrooms, office; Greek type.

La., Monroe—Zion Travellers Baptist Church, T. C. Windham, Chmn., Bldg. Comm., let contract at \$33,000 to T. C. Windham & Son, Fourth Ave. near 17th St., for ordinary type building; 3 stories, 50x115 ft., pine floors, conc. foundation, tar and gravel roof, gas heat; address proposals on furnishings, equipment, etc., \$10,000 to Contrs.; W. A. Ravfield & Co., Archts., Drawer 649, Birmingham, Ala.

La., New Orleans—J. Ed. Hemenway, 4130 Randin St., has pile driving contract for

\$170,000 St. Charles Avenue Presbyterian Church; W. W. Van Meter, Archt., 606 Commercial Place; R. K. Rothrock, Southern Bldg., Engr. for heating and air circulating system. 2-2

Miss., Union—First Baptist Church let contract at \$30,692 to Geo. F. Hays & Sons, Union, for brick church and at \$5250 for parsonage; 2 stories and basement, rein. conc. foundation, asbestos shingle roof, rift pine floors, hot air heat; R. C. Springer, Archt., Rosenbaum Bldg., Meridian.

N. C., Currituck—Methodist Church, Rev. C. T. Thrift, Chmn., Bldg. Comm., erect \$17,000 brick building; auditorium seat 200, 5 classrooms; contract let.

N. C., Gastonia—Jewish Congregation erect synagogue, South and Third Sts. Address The Rabbi.

S. C., Florence—First Presbyterian Church, 136 E. Main St., Rev. H. Tucker Graham, Pastor, erecting \$18,500 Sunday school; brick, tile and timber, 2 stories, 56.6x51.6 ft., conc. and wood floors, tin roof; furnishings, equipment, etc., \$3000; J. B. Mobley, Contr., 231 W. Evans St.

Tenn., Milan—Methodist Church, Dr. B. D. Caldwell, Chmn., Bldg. Comm., let contract to Creswell Brothers Lumber Co. at \$34,279 for brick building; 2 stories and basement, 50x100 ft., wood floors, stone trim, steam heat; 20 rooms, auditorium; Edwin B. Phillips, Archt., Fidelity Bank Bldg., Memphis. 7-12

Tenn., Nashville—Immanuel Baptist Church let contract to E. G. Holladay, 151 Fourth Ave. N., for \$52,000 bldg., 17th and West End Aves.; 3 stories and basement, 45x94 ft.; Carlton Braush, Archts., Fourth and First Bk. Bldg. 7-19

W. Va., Bridgeport—Simpson Creek Baptist Church, Harold M. Garrett, member, Bldg. Comm., Clarksburg, erect \$34,000 Colonial bldg.; E. J. Wood & Son, Archts., Lowndes Bldg., Clarksburg; John M. Kisner & Bro., Contrs., Auburn St., Fairmont.

W. Va., White Sulphur Springs—Emmanuel M. E. Church, South, let contract to T. W. Tinden, Patterson Ave., to remodel church and erect Sunday school; \$20,000, including furnishings, equipment, etc.; brick and tile, 70x36 ft., maple floors, built-up Philip Carey roof; plans by Rev. George G. Oliver, Pastor; work started. 7-5

City and County

Miss., Tupelo—Lee County Bd. of Supvrs. let contract at \$21,795 to Volz Construction Co., Ripley, Tenn., for jail; steel cell work, Southern Prison Co., San Antonio, Tex., \$19,876; brick, 2 stories, rein. conc. foundation; Frank Kincaannon, Jr., Archt. 7-12

Mo., St. Louis—W. I. Clucas & Co., 1 N. Grand Blvd., has plumbing contract for \$125,000 wings to Souldard Market and playgrounds; wiring, Sunlight Electric Co., 2735 N. Union St.; Albert Osburg, Archt., 3654 Meramec St.; L. R. Bowen, Engr., 6980 Page Blvd.; A. H. Haeseler Building and Contracting Co., Contr., Wainwright Bldg. 6-7

Dwellings

Ala., Albertville and Guntersville—Saratoga-Victory Mills, subsidiary of American Manufacturing Co., Noble and West Sts., Brooklyn, N. Y., erect 50 operatives' dwellings for new mill to be erected at Albertville and 50 dwellings for new mill at Guntersville; Robert & Co., Inc., Archts.-Engrs.; Smith & Williams Co., Inc., Contrs., Red Rock Bldg., both Atlanta, Ga.

Ala., Birmingham—A. K. Dement, 1315 Tuscaloosa Ave., erect \$10,000 residence; 2 stories, 40x45 ft., comp. roof; J. F. Adams, Contr., 901 Cotton Ave.

Ala., Birmingham—M. M. Baldwin let contract to J. O. Hayley & Sons, 611 Princeton Ave., to remodel residence, S. 42d St. and 12th Ave.; \$10,000. 7-19

Ala., Birmingham—John S. Cox, 1813 N. Second Ave., let contract to Paramount Construction Co., 2028 N. Fourth Ave., for \$50,000 residence, Rockridge Park; stone and brick veneer, 2 stories and basement, hardwood and tile floors, stone foundation, slate roof; Turner & McPherson, Archts., Martin Bldg. 11-10

Ala., Birmingham—L. R. Hanna, First Natl. Bank Bldg., let contract to A. B. Outlaw, Bankers Bond Bldg., for \$21,000 residence, Mountain Road; brick veneer, 51x25 ft., stone trim, tile roof, 2 tile baths, steam heat; Brodie & Surman, Archts., Comer Bldg. 6-14

Ala., Birmingham—R. H. MacFetridge, 4305 Cliff Road, erect \$18,500 residence, Mountain Brooke Estates; brick veneer, 2 stories, tile bath, slate roof, steam heat; C. H. McCauley, Archt., 709 Jackson Blvd.; Gibson Construction Co., Contr., First Natl. Bank Bldg.

Ala., Birmingham—Mrs. Sophie Montgomery, 827 S. 30th St., erect \$10,000 frame residence, S. Clairmont Ave. near 43d St.; 2 stories, 43x34x31 ft., comp. roof; Holmes Construction Co., Contr., 210 Exch. Bldg.

Ala., Birmingham—C. R. DeLong, 3402 Altamont Rd., erect \$10,000 brick veneer residence, Hollywood; 2 stories, 43x27 ft., comp. roof; D. H. Gilreath, Contr., 1818 N. 26th St.

Ala., Hollywood—A. Hinkle erect \$10,000 brick veneer residence, Poinciana St. near LaPrado, Hollywood; 2 stories, 52x37 ft., comp. roof; day labor.

Ala., Jasper—Dr. A. C. Jackson completed foundation for \$17,500 residence; day labor; R. L. Stephens in charge; stone veneer, 2 stories, 70x70 ft., oak floors, slate roof; Chas. H. McCauley, Archt., Jackson Bldg., Birmingham. 7-5

Ark., Heber Springs—O. B. Robbins erecting stucco residence; 1 story, oak floors, comp. roof; W. F. Tomlinson, Contr.

D. C., Washington—J. S. Williams Construction Co. has permit for 4 brick dwellings, 3626-28-30-32 Van Ness St., N. W.; 2 stories; \$30,000.

D. C., Washington—L. E. Breuninger & Sons erect \$15,000 dwelling, 1326 Hemlock St., N. W.; 2 stories, brick, frame and stucco; H. L. Breuninger, Archt., both Colorado Bldg.; owners build.

Fla., Jacksonville—W. O. Boozer, 1221 Oak St., erect \$14,000 brick veneer residence, Simmons St. near Osceola St.; 2 stories; S. R. Herscovitz, Contr., 2623 Forbes St.

Fla., Jacksonville—Blair Burwell, 924 Laurel St., erecting \$35,000 residence, Avondale Circle; brick veneer, 2 stories, 46x64 ft., tile and wood floors, slate roof; Marsh & Saxelbye, Archts., Consolidated Bldg.; A. L. Clayton, Contr., 17 Blum Bldg.

Fla., Miami—G. P. Apte, 252 N. E. 29th St., let contract to John C. Cuthbert, 104 Avenue Aragon, Coral Gables, for \$12,000 residence and garage, Bayshore and 59th Sts.; hollow tile, cast stone, tile and oak floors, 2 stories, 32x51 ft., tile and comp. roof; H. D. Steward, Archt., Coral Gables. 7-5

Fla., Miami—H. Wolkowsky, 329 N. E. 17th Terrace, erect \$15,000 to \$18,000 residence, N. E. 25th St. near Biscayne Blvd.; conc. block, wood and tile floors, 2 stories, 43x90 ft.; E. L. Robertson & L. R. Patterson, Archts., Calumet Bldg.; owner builds.

Fla., Miami Beach—Ewart G. Horne Construction Co., Box 234, Coral Gables, erect \$25,000 dwelling and garage, 5800 Collins Ave.; 2 stories, 64x57 ft., wood and tile floors, comp. and tile roof; F. Wyatt Woods, Archt., Ingraham Bldg., Miami.

Fla., Miami Beach—I. N. Bushong, care F. Wyatt Woods, Archt., Ingraham Bldg., Miami, let contract at about \$22,000 to Jas. Betteridge Construction Co., 1976 N. W. 24th Court, for residence, N. Bay Road; conc. block, 2 stories, 80x45 ft., tile and wood floors, tile roof. 7-12

Fla., St. Petersburg—Sarah Whitin Orvis, Serpentine Drive, let contract for stucco residence to A. W. Rice, care Murok Realty Corp., Princess Martha Hotel; hollow tile or conc. frame, 2 stories, 59x32 ft., hardwood floors, blue Spanish tile roof; C. W. Fulwood, Jr., Archt., Donovan Bldg. 7-12

Ga., Athens—Lloyd Florence erecting \$10,000 brick residence, Cobb St.

Ga., Athens—G. A. Christian erecting \$12,000 residence, Oglethorpe Ave.

Ga., Atlanta—T. J. Anderson, 1029 Confederate Ave., erect 2 brick veneer dwellings, 915-21 Confederate Ave., S. E.; 1 story, hardwood floors, comp. roof, hot air heat; \$12,000; day labor.

Ga., Atlanta—J. B. Richardson, 139 Ellis St., N. E., erect 4 brick veneer dwellings, 1013-19 Dill Ave., 386 Sixth St., N. E., and 1282 Boulevard, N. E.; 1 story, 7 rooms and bath, hardwood floors, comp. roofs, hot air heat; \$20,000; day labor.

Ga., Atlanta—Haralson Co., A. H. Harper, care 604 Healey Bldg., plans 40 to 50 dwellings, connection with development, Highland Ave. near Virginia Ave.; brick and frame, 1 and 2 stories and basement; 15 in first unit; day labor.

Ga., Atlanta—Lucius McConnell Arcade Bldg., erecting 2-story residence, Ponce de Leon Ave. and Springdale Road.

Ga., Atlanta—A. Burdell, 50 Pryor St., N. E., started work on 2-story residence, Clifton Road.

Ga., Atlanta—J. Kuniansky, 1040 W. College Ave., erect 3 brick veneer dwellings, 1033-41-43 Washington St.; 1 story; \$15,000; owner builds.

Ga., Atlanta—F. P. & Geo. J. Morris, 76 Pryor St., N. E., erect \$13,500 residence, 1313 S. Ponce de Leon Ave.; brick veneer, 2 stories; owner builds.

Ga., Savannah—Sam G. Adler, Broughton and Bull Sts., soon let contract for Colonial residence, Victory Drive near Paulsen St.; brick veneer, 2 stories, 100x34 ft., comp. roof; Eugene H. Klaber and Ernest A. Grunfeld, Jr., Archts., 455 N. Michigan Ave., Chicago, Ill.; Levy & Clarke, Supvg. Archts., Blum Bldg., Savannah. 7-19

La., New Orleans—Frank Estrade, 2100 Cadiz St., erect double raised residence, Saratoga and Cadiz Sts.; Estrade & Saffel, Contrs., 7226 Washington Ave.

La., New Orleans—Jos. M. Schmid, 5242 Constance St., erect \$10,000 frame and stucco duplex, Galvez and Miro Sts.; Henri G. DeFraitre, Contr., 304 Camp St.

La., New Orleans—H. G. Bonnette, Contr., 133 S. Johnson St., erect double raised dwelling, 424 S. Galvez St.

La., New Orleans—Casimir Terese, Contr., 2023 N. Prieur St., erect double dwelling.

La., New Orleans—R. J. Walker, Contr., 2232 Cadiz St., erect raised double dwelling, Soniat and Valmont Sts.

Md., Baltimore—Richwood Development Co., 625 Washington Blvd., erect 2 frame dwellings, 5610-12 Greenspring Ave., after plans by W. Parr, Archt.; 1 and 2 stories, slate roofs, hot water heat; \$15,000; owner builds. 7-19

Md., Baltimore—Jos. S. Small erect 10 brick dwellings, 840-58 W. 32d St.; 2 stories, 13x42 ft. and 13x32 ft., steam heat; \$25,000; Fredk. E. Beall, Archt., 306 St. Paul Place; owner builds. 7-19

Md., Baltimore—Chas. G. Fenwick completed foundation for shingle residence, 1111 Bryn Mawr Rd.; 2½ stories, hardwood floors, slate roof; Glendale Realty Co., Contr., 10 E. Fayette St.

Md., Baltimore—Geo. W. Schoenhals, Munsey Bldg., erect about 80 dwellings, Mayfield Ave. E. of Belair Rd.; brick, 2 stories; owner builds.

Md., Baltimore—E. J. Gallagher Realty Co., Munsey Bldg., erect 24 brick dwellings, 1100 block Bonaparte Ave.; 2 stories; \$80,000; owner builds.

Md., Baltimore—J. Geo. Eierman, Boulevard Apts., erect number 2-story dwellings, 4200 block Eierman Ave.; \$32,500; owner builds.

Md., Baltimore—John B. Pymmer, University Apts., erect \$11,000 residence, 403 Marlow St.; brick, 2½ stories, 33x84 ft., slate roof, hot water heat; T. Worth Jamison, Archt., 12 E. Pleasant St.; Willard E. Harn Co., Inc., Contr., 2314 Oak St.

Md., Baltimore—Benj. Kleiman, 2431 Eutaw Place, erect 8 brick dwellings, 2300-14 Wichita Ave.; 2 stories; 20x34 ft. and 21x34 ft., hot water heat; \$24,000; Stanislaus Russell, Archt., 11 E. Lexington St.; owner builds. 7-12

Mo., Springfield—Ralph Compton, 1415 E. Delmar St., erect brick and tile residence by day labor; 1 story and part basement, 20x43 ft., oak floors, comp. roof.

Mo., Clayton, St. Louis—Leo Epstein, 5375 Pershing St., erect \$10,000 brick residence, Moorlands Drive; 40x28 ft.; Koester Bros., Contrs., 2863 Laclede St.

Mo., Jefferson City—W. B. Fink erect residence, Oak Park sub-division; contract let.

Mo., Moberly—Gene Rohan erect residence, Carpenter St.; brick and half timber; Jim Haley, Contr.

Mo., St. Louis—S. Lierman, care G. Hamble, Contr., 6064 Wanda Ave., erect 2 brick dwellings, 5077-81 Rhodes Ave.; 1 story and basement, 27x45 ft. and 28x44 ft., hardwood floors, conc. foundations, tile bath, comp. roofs, hot water heat; \$19,000; Adolph F. Stauder, Archt., 6032 S. Kingshighway.

Mo., St. Louis—Jas. A. Keithly, 4972 Columbia Ave., erect \$18,000 residence, Federer Place and Coronado Ave.; brick, 1 story and basement, 32x53 ft., oak, rubber tile and tile floors, elect. refrigerator, hot water heat, oil burner; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—J. Slueham, care E. J. Kidd, Contr., 4907 Davison Ave., started work on \$10,000 residence, 5022 Alpha Ave.; brick, 2 stories and basement, 24x54 ft., tile bath, hardwood floors, comp. asphalt shingle roof, hot air heat; Chas. L. Thurston, Archt., 130 Kenilworth Ave., Webster Groves, Bk. Bldg.

Mo., St. Louis—Dr. P. G. Paugh, 5812 Delmar Blvd., let contract for \$17,000 brick residence and garage, Euclid and Westminster Aves., to Grant Wyatt, Century Bldg.; 1 story and basement, 45x83x16 ft., tile bath, hardwood floors, slate and comp. roof, steam heat; Chas. R. Greene, Archt., Buder Building. 7-12

Mo., University City, St. Louis—Emma and Charlotte Reinhardt, 5638 Labadie Ave., erect \$15,000 brick residence, 7365 Melrose Ave.; 2 stories and basement, 30x52 ft., hardwood floors, tile bath, asphalt shingle roof, hot water heat; John D. Paulus, Archt., 4729 Northland Ave.; work by sub-contracts.

Mo., University City, St. Louis—Homer Patterson, 7011 Highland St., erect 2 brick dwellings, 7020-24 Highland Ave.; 1½ stories, 25x30 ft., tile roof, hot air heat; \$10,000; Alfred Norrish, Archt.; owner builds.

Mo., University City—Rudolph Pertiel, 201 Title Guar. Bldg., erect \$15,000 brick residence, University Park; 2 stories and basement, 31x31 ft., hardwood floors, tile bath and roof, stone foundation, hot water heat; Nolte & Nauman, Archts., Fullerton Bldg.; owner builds.

Mo., Webster Groves, St. Louis—Wm. Koelz, 218 Hawthorne Ave., erect \$12,000 residence, 203 Hawthorne Ave.; tile and stucco, 2 stories and basement, 31x37 ft., hardwood floors, tile bath, comp. roof, hot water heat; C. F. Schmitz, Contr., 1612 Big Bend Blvd.

N. C., Charlotte—John J. Morton, W. Morehead St., let contract for \$20,000 residence, Providence Road, to Mallonee Co., 301½ W. Trade St.; stone, 2 stories; Chas. C. Hook, Archt., Commercial Bank Bldg. 7-19

N. C., Charlotte—Lex Marsh Co., 24 E. Fourth St., erect \$13,500 dwelling, Avondale Ave.; brick, 2 stories; owner builds.

N. C., Greensboro—Irving Park Co. erect \$12,000 dwelling, Dover Rd.; brick veneer, 2 stories, 9 rooms; R. H. Starr, Contr., 606 Courtland Ave.

Okla., Oklahoma City—Webb & Co., Contrs., A. H. Webb, Pres., 2216 W. 11th St., erect number dwellings.

Okla., Wewoka—A. M. Sadler & Co., Contrs., 206 N. Robinson St., Oklahoma City, within 30 days start work on several dwellings.

Okla., Wewoka—C. Guy Cutlip erecting \$40,000 residence; brick, 2 stories, 10 rooms; A. M. Sadler & Co., Contrs., 206 N. Robinson St., Oklahoma City.

Okla., Wewoka—Bart Aldridge erecting \$18,000 brick bungalow; A. M. Sadler & Co., Contrs., 206 N. Robinson St., Oklahoma City.

Tenn., Memphis—Marx & Bendorf, Second and Monroe Sts., erect 6 brick veneer and stone dwellings, Hedgemoor sub-division; stone trim, 1 and 2 stories and basement, oak floors, tile roof; tile baths, steam heat; \$75,000; Geo. Awsumb, Archt., Derman Bldg.

Tenn., Memphis—B. E. Booth, 1835 Overton Pl. Ave., erect \$10,000 brick veneer residence, 2231 Cypress Drive; 2 stories and basement, 47x41 ft., oak floors, tile bath, comp. roof, hot water heat; Polk W. Agee, Archt., Fidelity Bank Bldg.; L. L. Diehl, Contr., 1663 Forrest St.

Tenn., Memphis—O. A. Harper, Jr., Per-year, erect \$12,500 brick veneer residence, Chickasaw Gardens; 1 story and basement, 76x67 ft., oak floors, tile roof and bath, hot water heat; W. M. Alsop, Archt., U. & P. Bk. Bldg.; D. L. Crouch, Contr., Derman Bldg.

Tenn., Memphis—J. D. Scott, 1463 S. W. left St., erect 3 brick veneer dwellings, Breedlove St. near Snowden Ave.; 1 story and basement, oak floors, tile baths, comp. shingle roofs, hot water heat, garages; \$15,000; owner builds.

Tex., Beeville—Mrs. Beulah Alcorn erect 5-room residence; Chas. Grant, Jr., Contr.

Tex., Bryan—Clifford Mitchell erect \$10,000 residence, College Ave.; W. C. Hutton, Contr.

Tex., Corpus Christi—D. E. Clark started work on 2 dwellings, Atlantic Ave.; \$30,000.

Tex., Corpus Christi—Calvin Cock, 721 Furman Ave., erect \$12,000 residence, 121 Del Mar Blvd.; brick veneer, 2 stories, L shape, 40x44x19 ft.; Oscar Lutz, Contr., 724 King St.

Tex., Houston—A. E. Yundt erect \$10,000 duplex, 1801 W. Main St.; brick veneer, 2 stories, 2 baths; J. L. Tryon, Contr., 1105 Truxillo St.

Tex., Houston—S. L. Basch, 111 Berthea St., erect \$15,000 residence and garage, 2124 Southmore St.; brick veneer, 2 stories, 8 rooms; L. W. Lindsay, Contr., Second Natl.

Tex., Houston—J. W. Shelor, Pres., Shelor Motor Co., 1621 Milam St., started work on \$22,000 residence, 3208 Del Monte Drive, River Oaks; brick veneer, stone trim, 12 rooms; Forest McNeir, Contr., 2603 Chartres St.

Tex., McAllen—W. L. Hart erect \$15,000 residence; tile and stucco; L. L. Davis, Contr.

Tex., Uvalde—T. P. Lee, Second Natl. Bk. Bldg., Houston, erect \$25,000 residence near Uvalde; 4 baths; contract let.

Va., South Boston—P. H. and Luther Carlton, Richmond, erect residence, Oak Level; Younger Tunc, Contr., South Boston.

Government and State

Ga., Canton—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., let contract at \$49,600 to A. M. Lundberg, 208 N. Broadway, St. Louis, Mo., for post office; brick, cast stone trim, 1½ stories and basement, 56x54 ft. and 17x14 ft., 14,000 sq. ft. floor space, marble and tile work, slate and comp. roof. 6-28

Hospitals, Sanitariums, Etc.

Okla., Muskogee—United States Veterans' Bureau, L. H. Tripp, Ch. Constr. Div., Arlington Bldg., Washington, D. C., let contract at \$23,880 to Ellis & Lewis, 507 Surety Bldg., Muskogee, for conc. roads, U. S. Veterans Hospital. 6-28

Okla., Wewoka—Dr. Guy B. Van Sandt erecting \$65,000 hospital; 30 rooms; A. M. Sadler & Co., Contrs., 206 N. Robinson St., Oklahoma City.

Hotels and Apartments

Ala., Birmingham—M. H. Carraway, Quinlan Apts., erect 2-story and basement, 57x90-ft. brick veneer apartment, N. 16th St. and 13th Ave.; R. M. Rimer, Contr., 4113 Avenue Q; Edw. D. Slater, Archt., 1047 Martin Bldg.

Ala., Birmingham—H. H. Hancock, care Wm. Leslie Welton, Archt., American Traders Natl. Bank Bldg., erect 4-story and basement, 44x80-ft. brick apartment, S. 15th Ave. and 22nd St.; C. C. Lawrence, Contr., Tuscaloosa.

Ark., Fort Smith—Following subcontracts awarded on \$200,000 6-story Goldman Hotel annex, N. 13th and A Sts., for Southwestern Hotel Co., J. H. Reddick, Gen. Contr., Kennedy Bldg.; Rein. steel, Capitol Steel & Iron Co., Gazette Bldg.; cut stone, Hilliard Cut Stone Co., E. Ninth St.; marble and tile, Southwestern Marble & Tile Co., 433 N. Washington St., N. L. R., all Little Rock; struc. steel, Fort Smith Structural Steel Co., 900 Wheeler St.; roofing, Fort Smith Roofing Co., 17 N. Seventh St.; sheet metal, Nicodemus Brothers, 307 Towson St.; millwork, Dyke Brothers Lumber Co., S. Ninth St.; wiring, Crosland Electric Co., 300 Albert St., all Fort Smith; painting, Savage Painting Co., 319 McDaniel St., Springfield, Mo.; plumbing and heating, J. C. Korieth, Sherman, Tex.; Bassham & Wheeler, Archts., Kennedy Bldg. 6-28

Ark., Little Rock—Henry Bros., Contrs., Wrightsville, have permit to erect \$25,000 brick veneer apartment, 2123 W. 17th St., for H. D. Henry.

Fla., Jacksonville—A. R. Sams, 601 Barnett Bldg., has permit for \$15,000, 2-story hollow tile and stucco apartment on Forbes St.; R. W. Woodall, Contr., 2912 Phyllis St.

Fla., Jacksonville—N. Wineman and J. Clark erect \$14,000, 2-story, brick veneer apartment, Post and McDuff Sts.; Herbert Parrish, Contr., 805 Florida Natl. Bank Bldg.

Fla., Jacksonville—F. W. Pearce, 828 Talbot Ave., started work on \$15,000, 2-story, 35x50-ft. brick apartment, 32nd and Silver Sts.; gravel roof; Carl Shank, Archt., West Bldg.; F. W. Pearce & Son, Contrs., 828 Talbot Ave. See Want Section—Building Material and Equipment. 7-19

Fla., Jacksonville—W. H. Kendrick, 4612 Post St., has permit for \$12,000, 2-story, brick apartment on Post St. between Willow Branch and Rubel Sts.; also for \$20,000, 2-story, brick veneer apartment, Post and Willow Sts.; owner builds.

Fla., Tampa—Newman H. Raymond, Bldr., 27 E. Amelia St., Orlando, erect 5 duplex apartments in Palma Ceia Park; plans to erect 5 more later.

Ga., Atlanta—W. W. Carey, 522 Rankin St., N. E., erect \$10,000, 30x50 ft., 2-story and basement, brick veneer apartment, tar and gravel roof, hardwood floors, hot air heat; day labor.

Ky., Ashland—Ira M. Nickoll erect \$17,000, 2-story, 45x45 ft., brick, 4-family apartment, Ashland Ave. near Hilton; stone trim,

comp. and tile roof; Albert F. Klein, Archt.; Johnson & Johnson, Contrs.

Ky., Louisville—Lawrence S. Grauman, 614 W. Jefferson St., started work on \$20,000, 2-story, 44x62 ft., brick, 4-apartment, 1853 Rutherford St.; hardwood floors, Carey asphalt built-up roof; day labor; J. Lester Grauman, Archt., 614 W. Jefferson St. 7-19

La., Alexandria—Oscar G. Wilson has contract for comp. roofing and sheet metal and metal ceiling on 60-room hotel, 4th and Johnston Sts., for Evangeline Hotel Co.; Hayden Investment Co., Contrs. and owners. 5-24

La., New Orleans—Dryades Building and Loan Assn., 1701 Dryades St., and George L. Metzger, 6317 Constance St., have permit for two 4-apartments on Lowerline St.; \$10,000; Ruffin J. Walker, Contr., 2232 Cadiz St.

Miss., Clarksdale—Mason & Spori, Archts., Vincent Bldg., New Orleans, let contract at \$55,000 to F. P. Blackburn for alterations, additions and conversion of 2-story building into hotel for Mrs. Lawless. 7-12

Mo., St. Louis—Mrs. L. Straub, 1412 Montrose St., erect \$10,000, 2-story, 27x50-ft. brick tenement, 3808 Unica St.; slate shingle roof, steam heat; G. W. Knoten, Archt.-Bldr., 1128 Boland Pl.

Mo., St. Louis—Laclede Steel Co., Arcade Bldg., has contract for 275 tons rein. steel for \$1,500,000, 15-story DeSoto Hotel, 8th and Market Sts., for George W. Hunter, Pres., Midland Co., 610 Locust St., and associates; Kopman Construction Co., Gen. Contr., 594 Arcade Bldg.; J. T. Craven Engineering Co., Archt.-Engr., Century Bldg. 7-5

Mo., Clayton, St. Louis—H. J. Turner, 5425 Helen St., erect \$10,000, 60x40-ft. brick flat, Ellefredt Hts.

Mo., St. Louis—Argyle Realty Co. erect \$35,000, 3-story, 33x109-ft. brick tenement, 5651-53 Cates St.; tar and gravel roof, steam heat; N. Alper, Archt.-Contr., both 1237 N. 13th St.

Mo., St. Louis—L. C. Hofstetter, 3624 Wyoming St., erect \$15,000, 2-story, 40x33-ft. brick tenement, 2737 Greer St.; comp. roof, furnace heat; owner, Bldr.

Mo., St. Louis—G. Roth, 620 Chestnut St., erecting \$20,000, 2-story, 37x103-ft. brick tenement, 3526-30 Lambdin St.; comp. roof, oak floors, hot air heat; E. E. Christopher, Archt.; A. E. Garland, Contr., both 1221 Louderman Bldg.

Mo., St. Louis—E. Rottersmann, 396 Arcade Bldg., erect \$18,000, 3-story, 43x84 ft., brick tenement, 529 N. Whittier St.; comp. roof; F. Pelpers, Bldr., 395 Arcade Bldg.; owner, Archt.

Mo., St. Louis—Hackney Investment Co., 3758 Bates St., excavating for \$15,000, 2-story and basement, 34x56 ft., brick apartment, 4220-22 Neosho St.; hot air heat, comp. roof, hardwood floors; owner, Archt.-Bldr.

Mo., St. Louis—Aug. Viermann, 4651 S. Broadway, excavating for \$10,000, 2-story and basement, 28x42 ft., brick apartment, 4723 S. Broadway; tar and gravel roof, hardwood floors, hot air heat; Edw. Lantz, Archt., Wainwright Bldg.

Mo., St. Louis—M. Maloney excavating for \$10,000 2-story and basement, 36x52 ft., brick apartment, 4012 Enright Ave.; tar and gravel roof, hardwood floors, hot air heat; Sachor & Cantor, Contrs., both 4201 Easton Ave.; plans by owner.

Mo., St. Louis—W. B. Heard, 4625 Rosa Ave., erect \$20,000, 2-story and basement, 44x48 ft., brick apartment, Boland drive; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—C. Abramowitz, Intl. Life Bldg., excavating for three 2-story and basement, 34x45 ft., brick apartments, 2214-39 McNair Ave.; \$40,000; S. G. London, Contr., Railway Exchange Bldg.; plans by owner.

Mo., St. Louis—J. Borschiller, 4115 Bowen St., excavating for \$15,000, 2-story and basement, brick store and apartment, 4101-5 Bowen St.; tar and gravel roof, hot water heat, hardwood floors; owner, Archt.-Bldr.

Mo., St. Louis—W. B. Heard, 4625 Rosa Ave., erect \$20,000, 2-story and basement, 44x48-ft. brick apartment, Boland Drive, St. Louis county; tile roof, stone trim, hot water heat, oak floors; owner builds.

Mo., St. Louis—Robert P. Hutcheson, 546 W. Madison St., Chicago, started work on \$450,000 Hutcheson Arms Apartments, Grand Blvd. between Russell Ave. and Flora Place; 11 stories, brick, terra cotta, 24-car garage; Herman Mayer Co., Contr.; R. E. Tisdale, Archt., both 3617 S. Grand Blvd.; Laclede Steel Co., Arcade Bldg., has contract for 100 tons rein. steel. 7-19

Mo., St. Louis—R. P. Relly and S. Libert, Intl. Life Bldg., erect \$15,000, 2-story, 121x31 ft., brick tenement, 4050-54 Pennsylvania St.; asphalt roof, hot air heat; H. Hochman, Engr.-Bldr., 1862 S. Jefferson St.; B. Shapiro, Archt., 4202 Holly Ave.

Mo., University City, St. Louis—H. W. Jennings, 506 Olive St., erect 2-story, 25.8x46.10 ft., brick flat and one-story, 18x20 ft., garage, 912 Midland Ave.; \$10,000, comp. shingle roof, hot water heat; Jenkins, Kohlmeier & Co., Archts., 720 Pacific Bldg., Webster Groves.

Tenn., Knoxville—Arnold Corp., Arnold Apartments, Church Ave. and Locust St., let contract to C. J. Murray, Deaderick Bldg., for remodeling apartments for hotel; \$20,000, 30 additional baths, garages. 7-19

Tenn., Memphis—J. J. Mackey, 331 N. Waldran St., erect \$15,000, 2-story and basement, 36x72 ft., brick apartment, 276 N. Waldran St.; owner builds.

Tenn., Memphis—C. C. Mullin, 901 Highland Ave., excavating for \$10,000, 2-story, 32x51-ft. brick veneer apartment, 2360 Forrest Ave.; W. C. Mullins, Contr., 925 N. Highland Ave.

Tenn., Memphis—W. M. Bell, 207 Western Union Bldg., erect 2-story and basement, brick veneer apartment, 1097 Carr Ave.; owner, Archt.-Bldr.

Tenn., Memphis—Ed. Ash & Son, 308 Empire Bldg., soon start work on 2-story, brick and stone apartment, Claybrook and Larkin Sts.; owner, Archt.-Bldr.

Tenn., Memphis—W. E. Graves, 988 Peabody St., let contract to W. C. Owen & Co., Derron Bldg., for \$175,000, 3-story, 294x145 ft., brick, stone trim apartment, 2165 Poplar Ave.; Louis G. Carlisle, Archt., Medical Arts Bldg. 7-12

Tenn., Nashville—Mrs. W. Huder, care Jno. H. Parmalee, Archt., American Traders Bldg., erect 2-story, 46x24-ft. brick veneer apartment; H. W. Carruthers, Contr., 119 N. Ninth Ave.

Tex., Beaumont—Neches Electric Co., 259 Crockett St., has contract at \$28,500 for electrical work on \$1,000,000, 19-story, 120x120-ft. hotel, Pearl and Liberty Sts., for E. G. Edson, Edson Hotel Co.; Christy-Dolph Construction Co., Gen. Contr., Construction Industries Bldg., Dallas; F. W. Steinman & Sons, Archts., 411 San Jacinto Life Bldg., Beaumont; Hedrick & Gottlieb, Asso. Archts., Post-Dispatch Bldg., Houston. 5-3

Tex., Denton—George Fritz erect \$12,000, 2-story brick veneer apartment on N. Locust St.; F. C. Connor, Contr.

Tex., Plainview—Jordan Construction Co. started work on excavation for \$500,000, 8-story, 97x47 ft., conc. and brick hotel, Austin and Sixth Sts., for Wm. C. Witt and Associates, 3308 Oak St., Dallas; Bellows-Macley Construction Co., Gen. Contr., Construction Indus. Bldg., Dallas; Wyatt C. Hedrick, Inc., Archts., First Natl. Bank Bldg., Fort Worth. 5-17

Tex., San Antonio—Irving Frost, care Herbert S. Green, Alamo Bank Bldg., let contract at \$26,520 to E. F. Kusener, 735 Riggsby St., for 2-story, stucco, 12-apartment, Dewey and Ogden Sts. 6-14

Tex., San Antonio—Miss Ida Clendennen, care J. Clyde & Percy W. Williams, Archts., Moore Bldg., let contract to Ed. M. Baxter, 1846 Pleasanton road, for 2-story, brick veneer, 8-apartment, Warren and San Pedro Sts.

Tex., Sinton—Mrs. P. H. Gay let contract at \$31,370 to Meriweather & Sauers, Harlingen, for 2-story, 46x140 ft., brick, tile, rein. conc., stucco hotel, Market and McCall Sts.; built-up roof, cast stone trim, conc. floors; Dielmann & Levy, Archts.-Engrs., 216-17 Furman Bldg., Corpus Christi. See Want Section—Building Material and Equipment. 7-12

Miscellaneous

Ala., Birmingham—Southern Club, 20th St. and 5th Ave., has permit for remodeling clubhouse; \$10,000, 3 stories, brick; Alvin F. Felix, Contr., 116½ N. 21st St. 7-5

Ark., Fayetteville—E. M. Ratliff & Co., Contrs., started work on clubhouse on South Mountain for Fayetteville Country Club; natural stone; Max Mayer, Archt., Donaghey Bldg., Little Rock. 4-19

Ga., Warm Springs—Georgia Warm Springs Foundation, Inc., soon begin work on improvements and additions to Warm Springs properties; initial work calls for 35x85-ft. swimming pool; building enclosing pool will be 140x92 ft.; roof over pool to be of glass and two glass roofed and walled sun rooms 40x16 ft.; Georgia Warm Springs Construction Co., Contr., L. A. Kibbe, Const. Supt.;

Hubbard & Rogers, Conslt. Engrs., 14 W. Washington St., Chicago; Gugler & Toombs, Archts., 101 Park Ave., New York; also has under consideration complete water supply system; probably let contracts in fall. 7-19

Ky., Princeton—P. B. McChesney, Bowling Green, has contract for George Coon library; Brinton B. Davis, Archt., Columbia Bldg., Louisville.

Mo., St. Louis—College Club of St. Louis, 5428 Delmar Blvd., erect 2-story, brick addition and remodel club building; \$10,000; C. W. Schuler & Co., Contr., 2838 Texas Ave.; F. Ray Leimkuehler, Archt., 1516 Chemical Bldg.

Mo., St. Louis—North Hills Country Club and Missouri Athletic Assn., Chas. H. McCrea, Chmn., Bldg. Comm., Fourth and Washington Ave., let contract to F. F. Mickfessel Construction Co., 6625 Delmar Blvd., for \$100,000, 2-story and basement, 144x200-ft., brick, stucco, hollow tile, fireproof clubhouse, Normandy Hts., St. Louis county; Aegerter & Bailey, Archts., Railway Exchange Bldg. 6-21

Tex., Houston—O. B. Knight and G. E. Jones, St. Joseph, Mo., leased second floor of Hogg Bros. Bldg., Capitol and Fannin Sts., and started work on remodeling for cafeteria; 8500 sq. ft. floor space, install fixtures, equipment, seat 400 persons; \$50,000.

Tex., Sulphur Springs—A. R. Westbrook, Contr., erecting \$15,000 pavilion and auditorium; conc. base, brick walls, seat 1500 people.

Tex., Victoria—Victoria Country Club let contract to Micke Gruy, Cuero, for \$10,000, 2-story clubhouse; 42x73 ft., one-story wing 32x48 ft.; asbestos shingle roof; Kai Lefland, Archt.

Railway Stations, Sheds, Etc.

Fla., Webster—Atlantic Coast Line Rwy., J. E. Willoughby, Ch. Engr., Wilmington, N. C., started work on \$25,000 brick veneer passenger and freight station.

Mo., St. Louis—Terminal Railroad Assn. of St. Louis will begin work at once on \$800,000 American Railway Express building, to be completed in 7½ months; Dwight P. Robinson & Co., 125 E. 46th St., New York, Engrs. and supervisors of construction; work in charge of H. J. Pfeifer, Ch. Engr., Terminal Railroad Assn.; part of \$3,000,000 project. 6-7

Mo., St. Louis—Wabash Railway Co., R. H. Howard, Ch. Engr., Archt., Railway Exchange Bldg., let contract to Boaz-Kiel Construction Co., 409 N. Broadway, for \$550,000, 3-story, 60x180 ft., fruit auction house, 102 N. Second St.; first floor for assembly rooms; second, offices of American Fruit Auction Co. and auction room with seating capacity of 250; portion of second and third floors for office space; display rooms sky-lighted; R. E. Mohr, Company Archt. 6-21

Schools

Ark., Hot Springs—Special School Dist. No. 9, W. D. Lecroy, Sec., erect \$20,000, 1-story brick veneer school on Malvern road; O. M. Harrison, Contr., 511 Rector St.

Fla., Jacksonville—Duval County Bd. of Public Instruction, G. Elmer Wilbur, Sec., let contract at \$24,700 to J. M. Raymond, care D. D. Thomas & Son, Hildebrandt Bldg., for additions to Brentwood, Ortega, Woodstock, Murray Hill and Fishweir schools in Special Tax School Dist. No. 1; Mark & Sheftall, Archts., Clark Bldg. 7-12

Ga., Atlanta—Druid Hills School Dist., W. D. Thompson, Chmn., Bldg. Comm., Candler Bldg., reported, let contract to Carr Construction Co., Candler Bldg., for 2-story and basement, auditorium and gymnasium school, N. Decatur Road and Haywood Drive; T shaped, rein. conc., brick, Indiana limestone trim, slate and built-up roof, steam heat, \$155,000; Ivey & Crook, Archts., Candler Bldg. 7-12

Ga., Thomasville—Plunkett's School for Boys, Frank P. Plunkett, erect \$10,000 addition to dormitory; brick and frame; day labor.

Ky., Fulton—Bd. of Education soon start work on Fulton High School; 2 stories, brick, gymnasium, auditorium to seat 1500 people, \$38,000.

La., Baton Rouge—East Baton Rouge Parish School Bd., let contract at \$33,340 to L. W. Easton, for one-story, brick, 7-room Monte Sano Elementary School; Jones, Roesle & Olscher, Archts., Raymond Bldg., Baton Rouge, and Maison Blanche Bldg., New Orleans. 6-28

La., Baton Rouge—State Bd. of Education, T. H. Harris, Supt., let contract to B. Ramson, 114 Mayola Bldg., for addition to kit-

chen and dining room at State School for Blind; plans by J. T. Hoel, Dept. of Education. 6-28

La., St. Martinville—St. Martinville Parish School Bd., I. G. Montigout, Supt., let contract at \$36,100 to P. Oliver & Son, 114 Bilbo St., Lake Charles, for 2-story, brick, stone trim school; comp. roof; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 7-5

Md., Baltimore—Penn Steel Service Co., Fuller Bldg., Philadelphia, has contract for 250 tons rein. steel, and Joseph B. Dunn & Sons, Inc., 853 N. Howard St., have marble, tile contract for \$500,000, 4-story, 45x600 ft., brick, rein. conc., fireproof educational building, Roland and Belvedere Aves., for St. Mary's Seminary; The M. A. Long Co., Gen. Contrs., 10 W. Chase St.; Maginnis & Walsh, Archts., Statler Bldg., Boston; Geo. A. Weschler, Engr., Denrike Bldg., Washington, D. C. 7-19

Md., Friendsville—Garrett County Bd. of Education, F. R. Rathbun, Supt., Oakland, let contract to Fairchance Lumber Co., Fairchance, Pa., for \$43,900 high school; A. A. Hileman, Archt., Patrick Court Bldg., Frederick. 7-19

Miss., Georgetown—Georgetown Consolidated Dist. School Trustees let contract at \$19,900 to J. S. Robbins, Crystal Springs, for one-story, brick and stone trim, 8-classroom school; Emmett J. Hull, Archt., Merchants Bank Bldg., Jackson. 6-28

Mo., Fulton—Bd. of Managers, Missouri School for Deaf, let contract at \$39,910 to W. R. Odor & Son, Canton, for manual training building; Chas. B. Smith, Archt., 800 Finance Bldg., Kansas City. 7-12

Mo., St. Louis—Bd. of Education, Robt. M. Milligan, Commr. of School Buildings, 9th and Locust Sts., let contract at \$49,846 to Gillespie & Daly, Inc., 722 Chestnut St., for 3-story, 39x95 ft., brick addition to Walbridge School, 5008-26 Davison St.; tile roof. 5-24

Mo., St. Louis—School of Immaculate Heart, Sisters of Good Shepherd, care Sister M. Anastasia, Superior, let contract to Mississippi Valley Construction Co., 802 Chestnut St., for \$100,000, 3-story and basement, 60x80 ft., brick, rein. conc. convent addition, 7626 Natural Bridge road; comp. roof, hardwood floors, elevator, steam heat; Hellmuth & Hellmuth, Archts., 60 DeMenil Bldg. 7-12

N. C., Walkertown—Forsyth County Bd. of Education, T. H. Cash, Supt., Winston-Salem, let contract to J. R. Owens Co., Winston-Salem, at \$19,373 for 8-room addition to Walkertown School and at \$6,530 for 3-room addition to Lewisville School. 7-12

Okla., Enid—State Bd. of Public Affairs, Oklahoma City, let contract at \$56,779 to McMillan & Shelton for building at Home for Feeble Minded. 7-12

Okla., Sasakwa—Trustees, School Dist. No. 41, let contract at \$11,485 to Donehey Construction Co., Henryetta, for one-story, 55x74-ft., brick and tile, 4-room school; asphalt roof, wood floors; Richard E. Richter, Archt., 1217 E. Ninth St., Okmulgee. See Want Section—Building Material and Equipment. 7-19

Okla., Sulphur—State Bd. of Affairs, Oklahoma City, let contract at \$112,842 to G. C. Frier for 3-story primary building and repairs to administration and industrial buildings, girls' dormitory at State School for Deaf. 7-12

S. C., Laurel Creek—Laurel Creek School Dist. Trustees, Clarence Green, Sec., started work on \$10,000, one-story, 136x72 ft., brick school; Jones & Trott, Inc., Archts., Woodside Bldg., Greenville; day labor with M. F. Kremer, Supt. of construction. 6-21

Tenn., Johnson City—School Bd., C. E. Rogers, Supt., erect \$23,000 addition to North Side School and \$3500 addition to Dunbar School; E. R. Bayless, Contr.; excavation begun; Coile & Cardwell, Archts. 7-12

Tex., Austin—Lutheran Concordia Missouri Synod, care H. Fehr, Treas., Concordia College of Texas, let contract at \$10,473 to Brydson Bros., 19th and Guadalupe Sts., for 2-story, hollow tile and stucco residence for professor; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg. 7-12

Tex., Fort Stockton—J. L. Mitchell has contract for repairing high school. 7-12

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., let contract at \$38,376 to W. E. Woodruff for 6-classroom and auditorium addition to Memorial School; Joseph Finger, Archt., Keystone Bldg. 7-12

Tex., San Angelo—School Bd. let contract at \$9500 to Leavitt Manufacturing Co., Urbana, Ill., for stadium at San Angelo High School athletic field; 2012 seats. 7-12

Tex., Pampa—Pampa Ind. School Dist. let contract at \$87,600 to A. L. Randal, Amarillo Bldg., Amarillo, for 2 ward schools and gymnasium-auditorium building; T. H. Collins, 1200 Lincoln St., contract at \$10,500 for plumbing and lighting in ward schools; Vernon-Williams Co., 203 W. Sixth St., Amarillo, brick; W. F. Kaufman, Archt. 6-14

Tex., San Antonio—W. C. Thrallkill, Contr., Builders Exch. Bldg., started work on \$50,000, 2-story, brick and conc. dining hall and dormitory for Wesleyan Institute on Bandera road; Adams & Adams, Archts., Real Estate Bldg.; Homer M. Mathews, Engr., 407 Bedell Bldg. 7-19

Tex., Turkey—School Bd. let contract to Canady & Stark, Plainview, for 8-classroom high school. 7-19

Tex., Vernon—Reid & Costley, Contrs., Staley Bldg., Wichita Falls, soon start work on \$50,000 ward school on Yamparika St. 3-29

Tex., Westhoff—Westhoff Ind. School Dist., Henry Parira, Sec., let contract at \$17,812 to Clausen & Floyd, 525 Wilson Bldg., Dallas, for one-story, brick, rein. conc., fireproof, 6-classroom school; comp. roof, wood and conc. floors; M. C. Kleuser, Archt., 518 Slaughter Bldg., Dallas. 7-12

W. Va., Barboursville—Morris Harvey College, C. W. Thoruburg, Trustee, let contract at \$101,805 to R. Mankin & Co., Coal Exch. Bldg., Huntington, for 3-story, 45x204-ft., brick, fireproof dormitory; social hall, cafeteria on first floor; plumbing and heating, \$18,467, Charles H. Hagan Co., 301 Fourth Ave., Huntington; electrical, \$2360, Rosenblatt & Hunt; Meador & Handloser, Archts., Professional Bldg., Huntington. 5-24

W. Va., Bedington—Falling Waters Dist. Bd. of Education, Martinsburg, let contract at \$28,000 to Quigley Hafer, Chambersburg, Pa., for 2-story, 60x80 ft., brick, stone trim grade school; built-up roof, wood and cement floors; Frampton & Bowers, Archts., 414 11th St., Huntington. See Want Section—Building Material and Equipment. 7-12

Stores

Ala., Anniston—J. W. Knox let contract at \$38,000 to A. K. Adams & Co., 542 Plum St., Atlanta, Ga., for 2-story and basement, 50x120 ft., brick and steel store to be leased by Montgomery Ward & Co., Chicago; tar and gravel roof, maple floors. 7-19

Ark., Camden—J. H. Jeffus has contract to erect brick building on W. Washington St. to be occupied in part by Royale, Inc., woman's shop. 7-12

Ark., Fort Smith—Boston Store Dry Goods Co., G. E. Berson, Sr., V-P., 722 Garrison St., let contract to J. H. Reddick, Kennedy Bldg., for remodeling store and extending basement 80x140 ft.; \$16,000; Bassham & Wheeler, Archts., Kennedy Bldg. 7-5

Fla., Palm Beach—Harrison Construction Co., 235 E. 35th St., Miami, started work on group of 3 shop and apartment buildings, Seaboard Ave. and County road, for Phipps Interests; \$70,000. 7-12

Fla., St. Petersburg—Following additional sub-contracts awarded on \$500,000 arcade under construction for C. Perry Snell, 401 Central Ave., E. D. Ring, Gen. Contr.: Plumbing, Kaylor Plumbing Co., Inc., 906 E. Broadway, Tampa; electric, Hallowell Electric Co., 235 Second Ave., S., St. Petersburg; rein. steel, Southern G. F. Co., 601 Marion St., Tampa; hollow metal doors and trim, Art Metal Construction Co., Jamestown, N. Y.; metal windows, Ritchey-Browne-Donald Co., Maspeth, N. Y.; elevator, Shepard Elevator Co., 2425 Colerain Ave., Cincinnati; building tile, cement, gypsum block, plaster and metal lath, super-cement, Dann-Gerow Co., Inc., 19th St. and Second Ave., S., St. Petersburg; lumber, Pinellas Lumber Co.; sub-contracts for ornamental iron and bronze will be awarded in near future; Kiehnel & Elliott, Archts., Seybold Bldg., Miami, and St. Petersburg. 5-3

Ga., Atlanta—English Estate, Fourth Natl. Bank Bldg., let contract at \$15,361 to Converse-Myers Co., Bona Allen Bldg., for remodeling 3-story store, 27 Broad St.; oak and maple floors; Pringle & Smith, Archts., 1010 Norris Bldg. 7-5

Ga., Decatur—Feld Investment Co. has permit for \$15,000 store. W. College and Feld Aves.; 112 ft. frontage. 7-12

La., Monroe—Carl and Dr. A. G. McHenry, 110 1/2 S. Grand St., let contract to L. A. Ellis, Grayling Lane, to remodel and erect addition to 2-story brick store and office, Grand and DeSard Sts.; \$16,000; J. W. Smith and Associates, Archts., Ouachita Bank Bldg. 7-12

La., New Orleans—John B. Lauble erect double bungalow and store, Republic Humanity and Pleasure Sts.; O'Neil Labaud, Contr., 3525 St. Anthony St. 7-12

Md., Baltimore—Stewart & Co. making \$150,000 improvements to include remodeling show windows, new electric wiring, 3 stairways, changing 2 entrances on Lexington St.; The M. A. Long Co., Contr., 10 W. Chase St.; Smith & May, Archts., Calvert Bldg. 7-12

Miss., Meridian—Sam and Joe Meyer, 619 30th Ave., remodeling 3-story building to be occupied by Sears, Roebuck & Co., Chicago. 7-12

Mo., St. Louis—F. Harris, 200 N. Fourth St., alter 5-story brick store, 411 N. Broadway; \$12,000; Gronce Construction Co., Bldr., 1242 Syndicate Trust Bldg.; Mauran-Russell & Crowell, Archts., Chemical Bldg. 7-12

Mo., St. Louis—M. Rottler, 4226 Wyoming St., erect \$12,000, 2-story and basement, 22x50-ft., brick store and apartment, 4525 Morganford road; comp. roof, hardwood floors, hot water heat; F. P. Grimm, Contr., 1114 Dover Pl.; plans by owner. 7-12

Mo., St. Louis—Wolff-Wilson Drug Co., E. E. Immerthal, Sec.-Mgr., Seventh and Washington Sts., remodel 1-story, 50x50-ft. brick store, S. W. cor. Ninth and Olive Sts.; 1 story, 26x90 ft. brick store, N. E. cor. Ninth and Locust Sts.; 1 story, 35x50 ft. brick store, Seventh and St. Charles Sts.; \$75,000; Nat. Abrahams, Inc., 707 Equitable Bldg., Archt., builds by subcontract; work to begin about Sept. 1. 7-5

Mo., St. Louis—K. C. Mooney, 618 Chestnut St., excavating for \$12,000, 2-story and basement, 20x33-ft. brick store and apartment, 4049-51 Delmar Blvd.; Jones Bros. Construction Co., Contr., 5349 Wells Ave.; Gerhard Becker, Archt., 425 Georgia Ave., Ferguson. 7-12

N. C., Charlotte—Lex Marsh Co., Harry D. Witherspoon, Mgr., Bldg. Dept., 24 E. Fourth St., soon start work on two business buildings. 7-12

N. C., Greensboro—W. F. Ross and Associates, Benbow Arcade, let contract to John T. Hunt & Co., for one-story, 50x70 ft., brick store, N. Greene and Bellemade Sts.; tile roof; J. J. Sawyer, Archt., Jefferson Standard Bldg. 7-12

N. C., Hickory—B. B. Blackwelder let contract to Moser & Bumgarner for \$50,000, 2-story and basement, brick, tile, terra cotta trim store on 13th St. to be occupied by Montgomery Ward & Co., Chicago; Martin L. Hampton, Archt. 6-14

Okla., Oklahoma City—H. M. House & Co., Contrs., 1206 W. Main St., have permit for \$30,000 brick store and I. O. O. F. Hall, 12 W. Avenue A. 7-12

Okla., Oklahoma City—James T. Hicks started work on brick business building on 23d St. road, Nicoma Park to house post-office, barber shop, grocery, auto supply house, filling station and soda fountain. 7-12

Okla., Tulsa—Following sub-contracts awarded on \$200,000, 2-story, 125x140 ft., Spanish type store or shop building, 702 S. Main St., for James E. Duffey, 1131 E. 21st Place, on which work has been started: Tile roofing and sheet metal work, Southern Cornice Works, 116 S. Cincinnati St.; ornamental iron, Tulsa Woven Wire and Ornamental Works, 110 N. Madison St.; marble and tile, Bond Tile and Marble Co., 507 S. Quaker St.; concrete forms, Economy Removable Form Co.; heating, The Gastem Radiator Co., 329 E. Fourth St.; brick and stone, Lusco Brick and Stone Co., 316 Reliance Bldg., Kansas City; steel, Patterson Steel Co., 801 N. Xanthus St.; millwork, American Sash and Door Co., 16th and Bellefontaine St., Kansas City, Mo.; Smith, Hayden & Reed, have contract for roughing in the building, including machinery and cement work; Edgar Hughes, 2027 E. Second St., carpenter work and lumber; Blair Bros., Archts., Palace Bldg. 7-19

Tenn., Memphis—Joe Summersfield remodel store, Main and Court Sts.; \$25,000; Joe Bloomfield, Contr.; Joe T. Wallace, Archt., 1516 Bank of Commerce Bldg. 7-12

Tenn., Nashville—Cole Bros., care O. J. Billis, Archt., 62 Arcade, erect \$13,000, 1-story and basement, 101x35 ft., brick and terra cotta store, 13th Ave. and Broad St.; J. B. Regan, Contr., 117 N. 5th Ave. 7-12

Tex., Baytown—H. E. Brunson let contract to Hule & Fortinberry, Houston, for \$30,000 brick building, Minnesota and Market Sts., East Baytown. 7-12

Tex., Brooke Smith—Wm. Waugh & Son let contract to A. L. Castleberry, 118 Booth St., Houston, for \$17,000, 2-story, brick store and apartment, 1000 Enid St. 7-12

Tex., Childress—Frank Hines erecting \$15,000, 50x115 ft., brick building. 7-12

Tex., Corpus Christi—George Herder, Jr., and Kennedy Rogers erect \$15,000, 1-story, 7-12

100x80 ft., brick, tile and conc. building on Leopard St., for 5 stores, foundation completed; J. A. Walsh, Archt.-Contr., Country Club Place. See Want Section—Building Material and Equipment.

Tex., Corpus Christi—H. N. Key, State Hotel Bldg., Corpus Christi, and D. C. Reed, 304 E. Fifth St., Austin, erect \$16,000, one-story, 80x100 ft. store on Leopard St.; J. A. Walsh, Contr., Country Club Place.

Tex., Dallas—Titcher-Goettinger Co., Edward Titcher, Pres., Main and Erway Sts., let contract to Watson Company, 1927 S. Akard St., for 8-story department store, St. Paul, Main and Elm Sts.; Herbert M. Greene, LaRoche & Dahl, Archts., Construction Industries Bldg. 5-10

Tex., Dallas—John M. Sayez, Ennis and Dallas let contract to Cowdin Bros. for six buildings—2 chain stores, bakery, drug store, beauty parlor and barber shop, Gaston and Fitzhugh Aves.; brick, stone, tile trim, ornamental iron balustrade, tile roof; F. J. Woerner & Co., Archts., Central Bk. Bldg. 6-28

Tex., Houston—J. W. Neal, 301 Avondale Ave., erecting \$100,000, 2-story, 125x125-ft., rein. conc., brick and stone building, Carolina and Polk Sts.; Joseph Finger, Archt., Keystone Bldg.

Tex., San Antonio—George Oge, 312 Navarro St., has permit to remodel brick build-

ing, 224-8 E. Houston St.; W. N. Hagy, Contr., 312 Navarro St.

Tex., San Antonio—Mrs. Emmy Dittmar, 505 Howard St., let contract at \$27,790 to Ed. Oeffinger, 710 Avenue A, for one-story, 64x107 ft., brick, tile and stucco store, Chestnut and Dawson Sts.; Herff & Jones, Archts., San Antonio Loan & Trust Co. Bldg. Incorrectly noted at Tex., Houston. 7-12

Tex., Taft—Mrs. J. W. Draughon, Sinton, erect 2-story, hollow tile and stucco store and apartment on Green Ave.; Cage Lumber Co., Contr.

Tex., Waco—G. J. Olson, Contr., 1220 N. 16th St., erecting \$35,000, 2-story store, Austin and Ninth Sts., for John H. Sleeper, to be occupied by Montgomery Ward & Co., Chicago.

Va., Richmond—Mrs. Sally R. McAdams erect \$30,000, 2-story, 22.4x85 and 31.4x34 ft., brick and steel store and office, 210 E. Franklin St.; wood floors, slag roof; Muhleman & Kayhoe, Inc., Contr., 505 E. Franklin St.

Theaters

Ky., Louisville—Theater Realty Co. let contract to General Construction Co., 231 S. 5th St., for \$125,000, 4-story building, Fourth and Chestnut Sts.

Mo., Kansas City—A. Baier, 6904 Brooklyn St., started work on 83x95 ft., fireproof,

Spanish type moving picture theater at 4011 Troost Ave.; seat 1350 people; \$25,000 pipe organ; plans by and construction under supervision of C. F. Cons.

N. C., Wilmington—George W. Bailey, 209 N. 13th St., expend \$12,000 for remodeling and equipping Victoria Theater, Market and Second Sts., to be known as Carolina; U. A. Underwood, Inc., Contr., Murchison Bldg.

Tex., Midland—Dr. C. G. McCall started work on \$50,000 theater; install \$15,000 pipe organ; leased by W. H. Williams.

Warehouses

N. C., Greensboro—C. C. Hudson has permit for \$23,000, one-story, 75x140-ft., fireproof brick building on S. Elm St., to be occupied by International Harvester Co.; Walter Kidde & Co., Contrs., Jefferson Standard Bldg.

Tex., Cisco—West Texas Utilities Co., Abilene, erect 45x70-ft. hollow tile warehouse; conc. roof and floors; owner builds.

Va., Richmond—Richmond, Fredericksburg and Potomac Rwy. let contract to Doyle & Russell, Grace American Bldg., for 3-story, 80x30 ft. addition to warehouse occupied by Great Atlantic and Pacific Tea Co.; Carneal & Johnston, Archts., Electric Bldg.

WANT SECTION

THE CLASSIFICATIONS IN THIS SECTION ARE:

Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

Machinery and Supplies

Band Saw.—American Brass & Aluminum Castings Corp., 216 Columbia St., Portsmouth, Va.—Wants used band saw, about 26-in. wheel.

Boiler.—Attala Milling and Product Co., J. R. Smithson, Mgr., Kosciusko, Miss.—Wants 25 or 30 h.p. vertical boiler, 100 lbs. pressure.

Chain Hoist.—Loewner Granite and Marble Co., 174 N. Main St., Harrisonburg, Va.—Wants chain hoist, 3 to 5 ton capacity; must be in first-class condition, and ready for immediate delivery.

Dump Cars.—A 448, care Manufacturers Record, Baltimore, Md.—Wants immediately 32 4 or 5 yd. dump cars, 36-in. gauge.

Gas Locomotives.—A 448, care Manufacturers Record, Baltimore, Md.—Wants immediately six 12 to 15 ton gas locomotives, 36-in. gauge.

Iron Pipe.—Shenandoah Caverns Corp., Shenandoah Caverns, Shenandoah, Va.—Wants 2 miles of 2½ or 3 in. slightly used iron pipe.

Locomotive.—D. A. Sprinkle, Orangeburg, S. C.—Wants standard gauge Shay locomotive, 36 to 40 ton, good condition, ready to run.

Oil Engine.—M. J. Hunt's Sons (Mech. Dealers), 1620-28 N. Delaware Ave., Philadelphia, Pa.—Wants 75 to 100 h.p. oil engine, 2 cylinder, Fairbanks-Morse preferred, ready to operate.

Ornamental Concrete Molds.—Eastman Cotton Mills, Eastman, Ga.—Wants prices and data from manufacturers of concrete molds of all types.

Sign Builders Machinery and Shears.—Palmer Electric Sign Co., Inc., 20 E. Forsyth St., Jacksonville, Fla.—Wants prices and data on sign builders machinery and shears.

Storage Battery.—W. E. Toler, Pawnee, Okla.—Wants electric storage batteries to propel 10-20 h. p. farm tractors and trucks.

Water Filters and Electric Water Heaters.—R. C. Hamilton, 122 S. Sixth St., Minneapolis, Minn.—Wants prices and data on water filters and electric instantaneous water heaters.

Wood Pulp Machinery.—John B. Shields, Jasper, Ala.—Wants prices and data on wood pulp machinery.

Woodworking Equipment.—Steel Turned Column Works, 620 Yaquina St., Greensboro, N. C.—Wants to purchase hand jointer for line shaft, with jack shaft for belt drive, not electrically driven.

Frank IX & Sons, Inc., 910 Shippen St., North Bergen, N. J., wants following for textile mill to be erected in Charlottesville, Va.:

- (1) Humidifying System
- (2) Sprinkler System.

U. S. Mashburn, 3305 Palmira Ave., Tampa, Fla.—Wants machines to extract bones from boiled fish in connection with cannery to be established at Palmetto, Fla.

Seeley Co., Inc., S. T. Seeley, Pres., 101 Marietta St., Atlanta, Ga.—Wants prices and data on following, second-hand or re-conditioned:

- (1) Boiler—vertical
- (2) Hack Saw—power, 25 h. p.
- (3) Winch—power drive, with vertical capstan.

Miscellaneous

Light Metal Stampings and Castings.—I. C. McWhirter, 1818 N. King St., Greenville, Tex.—Wants company to manufacture triggers, hammers, etc., in large quantities for toy gun; hammers and triggers to be of brass or cast iron and trigger guards, etc., to be stamped of 18 gauge iron.

Roofing Asphalt.—Townsend Sash, Door & Lumber Co., Inc., Lake Wales, Fla.—Wants prices and data on roofing asphalt in carload quantities, delivered Lake Wales, Fla.

Process Monogram Co., V. K. White, Brooksville, Fla.—Wants prices and data on following for making aluminum automobile monograms:

- (1) Electric Ovens—small sizes, for baking enamel.
- (2) Enamels
- (3) Polishing Equipment—finishing and polishing equipment for small aluminum castings.
- (4) Waterproof Cements—for use in attaching emblems on leatherware.

Building Material and Equipment

Frank IX & Sons, Inc., 910 Shippen St., North Bergen, N. J., want prices on following for silk mill at Charlottesville, Va.:

- Heating Equipment
- Lighting Equipment.

American Legion Assn., Nugent Hill, Pres., Alexandria, La.—Wants plans and specifications for \$35,000 to \$60,000 community building.

Dielmann & Levy, Archts., Furman Bldg., Corpus Christi, Tex., want prices on built-up roofing for \$35,000 hotel for Mrs. P. H. Gay, Sinton, Tex.

Steel Turned Column Works, 620 Yaquina St., Greensboro, N. C., wants prices on following for dwelling:

- Flooring—hardwood
- Roofing—asbestos shingle.

Dielmann & Levy, 216-17 Furman Bldg., Corpus Christi, Tex., wants prices on following for 2-story, 48x76 ft. apartment:

- Cast Stone
- Electric Refrigerators
- Flooring—hardwood, linoleum, tile
- Roofing (flat)—built-up
- Terra Cotta Trim.

P. J. Krouse, M. & W. Bldg., Meridian, Miss., wants prices on following for 1-story, 130x158 ft. school, Quitman, Miss.:

- Roofing—built-up, tile.

Richard E. Richter, Archt., 1217 E. Ninth St., Okmulgee, Okla., wants prices on following for one-story, 4-room school, Sasakwa, Okla.:

- Flooring—hardwood, tile
- Metal Ceilings
- Flooring (flat)—built-up
- Tile.

Alan J. MacDonough, Archt.-Contr., Eustis, Fla., wants prices on following for \$18,000 dwelling:

- Flooring—hardwood
- Roofing (hip)—asbestos shingle.

Morrow Bros., Inc., Contrs., Fidelity Bldg., Baltimore, Md., want prices on following for \$200,000 bank addition:

- Flooring—hardwood, terrazzo, tile, composition
- Limestone
- Marble
- Brass and Bronze Work.

W. T. Nolan, Archt., Canal Bank Bldg., New Orleans, La., wants prices on following for \$40,000 high school, St. Martinville, La.:

- Cast Stone
- Metal Doors
- Roofing (flat)—built-up
- Ventilators
- Wire Glass.

W. C. Lester, Archt., Dermon Bldg., Memphis, Tenn., wants prices on following for \$7500 dwelling:

Flooring—hardwood, linoleum, tile
Limestone
Roofing (hip)—asphalt shingle.

The John W. Cowper Co., Inc., Healey Bldg., Atlanta, Ga., bidding on general contract for Industrial Rayon Corp., plant, Covington, Va., J. E. Sirrine & Co., Engrs., wants prices on materials and subcontracts by Aug. 3.

The John W. Cowper Co., Inc., Healey Bldg., Atlanta, Ga., bidding on general contract for American Chatillon Corp., rayon plant at Rome, Ga., wants prices on materials and subcontracts by July 27; Lockwood, Greene & Co., Engrs.

F. W. Pearce & Son, 828 Talbot Ave., Jacksonville, Fla., want prices on following for \$15,000 apartment:

Cast Stone
Electric Refrigerators
Flooring—hardwood
Mail Chutes.

Willard G. Rogers, Archt., Latonia Bldg., Charlotte, N. C., wants prices on following for \$20,000 dwelling:

Cast Stone
Electric Refrigerators
Flooring—hardwood, tile
Incinerator
Roofing—tile
Steel Sash and Trim.

J. A. Walsh, Contr., Country Club Place, Corpus Christi, Tex., wants prices on following for \$15,000 store:

Cast Stone
Flooring—composition
Plaster Board
Roofing—built-up
Steel Sash and Trim
Tile—hollow.

Frampton & Bowers, 414 11th St., Huntington, W. Va., wants prices on following for \$28,000 school, Bedington, W. Va.:

Limestone
Roofing—built-up
Steel Sash and Trim
Terra Cotta Trim
Ventilators
Wire Glass.

F. O. Watkins, Decatur, Ga., wants prices on following for \$15,000 store and office building:

Cast Stone
Flooring—hardwood, terrazzo, tile
Plaster Board
Roofing (flat)—built-up
Steel Sash and Trim
Terra Cotta Trim.

S. M. Blann, York, Ala., wants prices for f. o. b. York on following for \$70,000, one-story, brick school:

Brick—140,000 common and 70,000 face
Cement—300 bbl.
Flooring and Ceiling—60,000 ft. B and better grade
Gravel—200 yds.
Lime—240 bbl.
Millwork—44 window frames, 60 door frames, 137 windows, sash and transoms, 85 doors
Sand—200 yds.
Wall Plaster—12 tons.

Bids Asked

Brick.—See Sewer Materials.

Bridge.—Anderson, S. C. See Construction News—Bridges, Culverts, Viaducts.

Bridges, etc.—State of Texas. Bids for 3 bridges, overpass and approach. See Construction News—Roads, Streets, Paving.

Bridge.—Clarksburg, W. Va. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Mobile, Ala. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Tennessee—Bids for 34 bridges and overhead. See Construction News—Roads, Streets, Paving.

Bridge.—Jackson, Miss. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Maryland—Bids for 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge Superstructures.—Charleston, W. Va.—Bids for 4 superstructures. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Oklahoma. Bids for 8 bridges. See Construction News—Roads, Streets, Paving.

Cable.—Pur. Agt. Dept., Washington, D. C.—Bids July 30 for 2000 ft. of electric cable.

Chairs.—Q. M. Supply Officer, Washington, D. C.—Bids Aug. 6 for 1000 steel folding chairs.

Dredging.—War Dept., U. S. Engr. Office, Galveston, Tex.—Bids Aug. 15 for dredging approximately 515,000 cu. yds. in Section 2,

Channel between Aransas Pass and Corpus Christi, work to consist of dredging section No. 2 between stations Nos. 29-357 and 58-707, total distance of 29,350 ft., to depth of 27 ft. at mean low tide and 200 ft. wide on bottom, together with dredging of passing place between stations 530-00 and 535-50 an area 300 ft. long and 100 ft. wide on bottom, to same depth.

Electric Plant Equipment.—Town of Kaplan, La., C. H. Brookshire, Town Clk., bids Aug. 14 for furnishing and installing following equipment in light and water plant: multiple cylinder vertical type cold start Diesel oil engine having normal capacity of not less than 150 brake h.p. nor more than 200 b.h.p. engine to be directly connected to proper size 2300 volt, 60 cycle, 3 phase alternator with proper size belted exciter, also direct driven exciter; one 500 g.p.m. direct driven underwriters' fire pump connected to one 2200 v., 60 cycle, 3 phase slip ring motor, complete with starter; wiring town's switchboard, furnishing necessary instruments, switches and other equipment for paralleling 2 generating units.

Electrical Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids July 31 for furnishing electrical supplies, delivery Quantico, Va.

Engine (Diesel).—See Electric Plant Equipment.

Engine-Generator.—City, L. J. Wilkes, Clk., Durant, Miss.—Bids Aug. 7 to furnish one Diesel engine for light and water plant; 350 h.p., direct connected to generator of 2300 volts, 60 cycles, 3 phase with direct connected or belted exciter for above generator; and one generator panel suitable equipment.

Fly Labels.—Pur. Agt., P. O. Dept., Washington, D. C.—Bids July 30 for 15,000 linen fly labels.

Fuel Oil.—Shipping Bd., Washington, D. C.—Bids July 30 for fuel oil for various deliveries.

Gears.—Pur. Agt., P. O. Dept., Washington, D. C.—Bids July 30 for 192 gears and 25 pairs steel miter gears.

Generator.—See Electric Plant Equipment.

Generator.—See Power Plant Equipment.

Hardware.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Aug. 1 for furnishing hardware, delivery Quantico, Va.

Horseshoes.—Quartermaster Supply Officers, Fort Sam Houston, Tex.—Bids Aug. 2 for 7400 lbs. horseshoe nails, 522,300 lbs. horseshoes and 65,800 lbs. metal shoes.

Incinerator.—City, Richard G. Bollinger, Clk., Follansbee, W. Va.—Bids July 31 for 25 ton high temperature garbage incinerator plant.

Miscellaneous Supplies.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Aug. 7 for following, Sch. 1890:

Fire brick, iron or steel chain, anti-friction metal, asbestos wood, pipe covering, lumber, cork board, tarred-felt roofing, silica grit, foundry sand, asbestos-magnesia lagging, etc.

Miscellaneous Supplies.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Aug. 13 for following, Sch. 1891:

Concrete mixers, drilling machines, rail conductor, insulated wire, motors, fans, varnishes, coal tar, etc.

Paving, etc.—Jefferson City, Mo. See Construction News—Roads, Streets, Paving.

Paving, etc.—Forest, Miss. See Construction News—Roads, Streets, Paving.

Paving, etc.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Pipe (Sewer).—See Sewer Materials.

Power Plant Equipment.—Mayor and Bd. of Aldermen, Rocky Mount, N. C.—Bids Aug. 2 for furnishing, delivering and erecting following power plant equipment: 5000 kw. 80% P.E., 6250 kw. at 100% P.E., turbo-generator unit, with direct connected exciter, together with all appurtenances and accessories specified; turbo-generator air cooler; surface condenser for 5000 kw. turbine, complete with one motor-driven condensing water circulating pump; duplicate dry vacuum pump; motor-driven hot well pump; steam turbine-driven hot well pump; inter and after condenser and appurtenant equipment; one automatic, atmospheric exhaust relief valve; William C. Olsen, Inc., Engrs., Raleigh, N. C.

Portland Cement.—See Sewer Materials.

Pumps.—See Power Plant Equipment.

Reinforcing Steel Bars.—See Sewer Materials.

Roads.—State of Oklahoma. Bids for 26 roads. See Construction News—Roads, Streets, Paving.

Roads.—State of Texas—Bids for 31 roads. See Construction News—Roads, Streets, Paving.

Road.—Wilmington, N. C. See Construction News—Roads, Streets, Paving.

Roads.—State of Tennessee—Bids for 11 roads. See Construction News—Roads, Streets, Paving.

Roads.—State of Maryland—Bids for 4 roads. See Construction News—Roads, Streets, Paving.

Road.—Clayton, Mo. See Construction News—Roads, Streets, Paving.

Roads.—Selmer, Tenn. Bids for 2 roads. See Construction News—Roads, Streets, Paving.

Roads.—Lewisburg, W. Va. Bids for 6 roads. See Construction News—Roads, Streets, Paving.

School Furniture.—Executive Committee of Bd. of Education, Nashville, Tenn.—Bids July 26 for 1300 No. 2, 380 No. 3, 732 No. 4 single desks; 64 No. 2, 12 No. 3, 38 No. 4 single rears; 46 teachers' desks; 1104 sittings in recreation benches with tablet arms.

Sewers.—Commr. of Public Works, E. R. Bradshaw, Paducah, Ky.—Bids Aug. 7 for constructing sewers in Sewer Zone No. 4A, of Sewer Dist. No. 3, includes following: 7942 lin. ft. 8-in., 6875 lin. ft. 10-in., 10,429 lin. ft. 12-in., 10,350 lin. ft. 15-in., 7775 lin. ft. 18-in., 3865 lin. ft. 21-in., 3454 lin. ft. 24-in., 3330 lin. ft. 27-in., 1470 lin. ft. 30-in., 2220 lin. ft. 33-in., 2600 lin. ft. 36-in., 2520 lin. ft. 42-in., 3652 lin. ft. 48-in., 413 lin. ft. 54-in., 970 lin. ft. 66-in., 3095 lin. ft. 72-in., 34-in., 77,940 lin. ft. 6-in. house service line sewer, maximum depth of trench is 20 ft.; 182 manholes; 300 inlets, Type "A"; 90 inlets, Type "B"; 14 junction structures; 8 in. to 24 in. sewers inclusive will be of vitrified clay pipe, sizes above 24-in. will be reinforced concrete, conc. pipe and vitrified clay segment block.

Sewer.—Bd. of Public Service, Room 208, City Hall, St. Louis, Mo.—Bids Aug. 8 for constructing sewers in Maline Creek Sewer Dist. No. 1; plans from office of President, Room 300 City Hall.

Sewers.—City of Fort Thomas, Ky., John P. Dietrich, City Engr.—Bids Aug. 3 for sewage disposal plant, capacity 34,000 gal. per day.

Sewer Materials.—Town of Georgiana, Ala., W. F. Foster, Mayor—Bids Aug. 1 for furnishing material for sewers: 3232 ft. 12-in., 45 ft. 10-in., 21,588 ft. 8-in., 518 ft. 6-in. sewer pipe; sewer pipe fittings; 48 ft. 12-in. and 380 ft. 8-in. B & S pipe Class A or equal; 373 bbls. Portland cement; 79,000 hard common brick; 1750 lbs. dry lime; 84 std. manhole rings and covers; 6 light manhole rings and covers; 225 manhole stems; two 10-in. hand flush tank valves; 10,537 lbs. std. rein. bars; two 8-in. h. e. gate valves; The J. B. McCrary Co., Construction Mgrs., Atlanta, Ga.

Sewers.—City of Houston, Tex.—Bids Aug. 15 for storm sewers on Yale, Seventh Sts. and in gully between Oxford St. and Beverly.

Sewers and Appurtenances.—Baltimore County Commrs., Towson (Br. of Baltimore), Md.—Bids Aug. 6 for excavation and laying of sewers and appurtenances in vicinity of Arbutus and Halethorpe, following approximate quantities Section No. 2 Herbert Run Sewer Contr. No. 12-8: 812 lin. ft. of 6-in. T. C. house connection; 700 lin. ft. 8-in., 443 lin. ft. 18-in., 254 lin. ft. 20-in., 353 lin. ft. 22-in., 1337 lin. ft. 24-in., 705 lin. ft. 27-in., 4640 lin. ft. 30-in. of T. C. sewer; 56 lin. ft. 16-in. C. I. sewer; 38 lin. ft. 30-in. brick and conc. sewer; 1030 lin. ft. 33-in. T. C. sewer; 393 lin. ft. brick manholes; 5000 cu. yds. rock excavation; plans from A. E. Walden, Ch. Engr. of Baltimore County Metropolitan Dist., Towson.

Sidewalks, etc.—Edwards, Miss. See Construction News—Roads, Streets, Paving.

Standpipe (Steel).—See Water Works.

Street.—Eupora, Miss. See Construction News—Roads, Streets, Paving.

Streets.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

Street.—Macon, Miss. See Construction News—Roads, Streets, Paving.

Street.—Cane Girardeau, Mo. See Construction News—Roads, Streets, Paving.

Tank and Tower.—See Water Works.

Testing Instruments.—U. S. Engr. Office, Navy Bldg., Washington, D. C.—Bids July 30 for calipers, meters, transformers, battery testers, etc.

Trucks.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Aug. 6 for furnishing 3 1/2-ton light delivery trucks; delivery Baltimore, Md., Philadelphia, Pa., and San Francisco, Cal.

Turbine.—See Power Plant Equipment.

Turbine and Pumps.—Sewerage and Water Bd., Office of Sec., Room 401, 526 Carondelet St., New Orleans, La.—Bids Sept. 6 for 15,000 kw. turbine and pumps for drainage system.

Water Works.—Mayor and Bd. of Council,

Providence, Ky.—Bids Aug. 15 for improving water works; including construction of rectangular covered 450,000 gal. conc. reservoir, 300,000 gal. steel standp. pe, 200,000 gal. elevated steel tank; plans from C. N. Harub, Engr., 705 Fourth and First Natl. Bank Bldg., Nashville, Tenn.

Well Drilling.—Town of River Junction, Fla., B. F. Barnes, Mayor, H. S. Jaudon Engineering Co., Engrs., Leesburg—Bids Aug. 14 for furnishing material, equipment and labor for drilling and completing one or more deep wells, from 14 to 6-in. in diam.

With Cleaver, Vass & Co.

George J. Bourg, formerly connected with the bond department of the Marine Bank & Trust Company, New Orleans, La., is now associated with Cleaver, Vass & Co., Inc., dealers in investment securities, of the same city.

Construction Survey Company.

The Universal Engineering Company, Bridgeport, Conn., announces the formation of the Construction Survey Company, New Haven, Conn., as a division to serve architects, builders and the public with construction surveys, estimates, supervision, reports, appraisals and arbitration.

Lupton Plant at Chicago.

David Lupton's Sons Company of Philadelphia, steel window manufacturers, have contracted for the immediate erection of the first unit of their new Chicago manufacturing plant and warehouse. The plans contemplate development of a plant covering approximately six and a half acres at Clearing, to be served by switch tracks from the Belt Railway of Chicago.

Tennessee Electric Power Report.

The combined earnings statement of the Tennessee Electric Power Company, subsidiary of the Commonwealth Power Corporation, for June shows gross earnings of \$1,065,187.66; operating expenses, including taxes and maintenance, \$560,247.97; gross income, \$504,939.69, compared with \$407,354.85 in 1927. For 12 months ending June 30, 1928: Gross earnings, \$12,907,556.97; operating expenses, including taxes and maintenance, \$6,947,139.79; gross income, \$5,960,417.18; net income available for dividends and retirement reserve, \$3,774,223.10, compared with \$3,366,463.37 in 1927; balance, \$1,495,432.81, compared with \$1,285,430.26 in 1927.

Steel Hangars.

The Orange Car & Steel Company, Orange, Tex., has developed through the efforts of J. I. Byrne, general manager, the Orange steel hangar for aeroplane storage, one of the outstanding features being a lift-type door. The door, when open, extends half way under the roof of the structure and the other half extends out in front, forming a canopy over the entrance. It is counter-balanced and its chain-lift mechanism can be operated by one man with one hand. The opening and closing of the door requires not more than 10 or 15 seconds, it is said. The hangar is manufactured in three styles—two for group storage and the other for individual ships—all made in sizes to store comfortably any type ship. The company plans to establish branch sales offices in various aviation centers and to place manufacturer's and sales franchises with organizations having experience in the distribution of aeronautic products. The airport division of the company is using an airplane to transport its representatives to various jobs. The company equipped the San Antonio municipal field and erected at Winburne Field two individual ship hangars and four group storage hangars. It designed and will equip throughout a triple A airport at Orange, construction on which is now under way.

The airport division of the company is under the supervision of Lieut. Wm. K. Ennis of the Texas National Guard Air Service, and has been extended to include not only the manufacture of Orange steel hangars, but to design the general construction of airports complete from drainage to lighting.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Westinghouse Gets Control Equipment Order in Southwest.

The Westinghouse Electric and Manufacturing Company recently received an order from the Southwestern Light and Power Company, Temple, Okla., for three audible type supervisory control equipments, duplicating their previous order of last year for two other such equipments. The three sets of equipment just ordered are to remotely control circuit breakers in the Tipton, Duncan Junction and Grandfield Junction substations, respectively, from a distant dispatching point. Each substation control equipment is mounted complete in a type "B-1" switchhouse, together with the necessary storage batteries, battery chargers, protective equipment and interposing relays.

Bethlehem Steel's New Product.

The Bethlehem Steel Company, which recently added to its line of wide-flange structural shapes a series of 33-inch beams and girders, now announces the rolling of a series of 36-inch wide-flange beams and girders at its Lackawanna (N. Y.) plant. The 36-inch I-beams are rolled in weights of 147, 155, 164 and 173 pounds per foot and the girder beams are rolled in weights of 231, 240, 250 and 260 pounds per foot.

Rufus C. Phillips.

Rufus C. Phillips, 63 years old, secretary of the American Rolling Mill Company, Middletown, Ohio, and a brother-in-law of George M. Verity, president of the concern, died July 11 after an illness of several weeks. Mr. Phillips became acquainted with Mr. Verity when 16 years old. Three years after Mr. Verity entered the steel mill business at Cincinnati he was joined by his boyhood friend in organizing the Middletown plant.

New Layne & Bowler Official.

W. H. Reeves, vice-president and general manager of the Layne-Southeastern Company, St. Petersburg, Fla., is now associated with Layne & Bowler, Inc., in the Chicago office. R. R. Schweitzer has succeeded Mr. Reeves, with his principal office at Norfolk, Va. The Florida office is under the charge of Y. C. Carmichael, Jacksonville, and the St. Petersburg office has been discontinued.

Structural Superintendent.

R. N. Matthews, formerly superintendent of the Steel Products Company, Savannah, Ga., and of the Ozark Engineering Company, Joplin, Mo., is now associated with the J. B. Klein Iron and Foundry Company of Oklahoma City, Okla., as superintendent of its structural plant.

Fort Worth, Tex., to Advertise.

Inauguration of a Department of Publicity at Fort Worth, Tex., with expectation of eventually entering the list of community advertisers, has been announced by the Fort Worth Association of Commerce. The new department is in charge of Ed F. Flannery, former Florida newspaperman. For the present the department will devote much time to plans for a future advertising fund for the city.

Paving Brick Association Secretary.

Quincy A. Campbell has been appointed acting secretary and assistant to the managing director of the National Paving Brick Manufacturers' Association, Chicago. George F. Schleisinger, who until recently was director of highways for Ohio, assumed his duties as chief engineer and managing director for the National Paving Brick Association on July 1.

Operating Branch at Sparrows Point.

The Williamsport Wire Rope Co., Williamsport, Pa., is operating a branch plant at the Sparrows Point plant of the Bethlehem Steel Co., manufacturing galvanized strand for all purposes, as well as guard cable for highways. The strand and guard cable manufactured at Sparrows Point is shipped to all sections of this country and to many foreign countries.

District Representation.

E. Everett Gibbs, until recently president of the Southern Can Company, Baltimore, which business is now owned and operated by the Continental Can Company, Inc., has been appointed district representative of the Continental Company, with headquarters in Baltimore. The district includes the area served by the company's Roanoke (Va.) factory.

Joins MacGregor Valve Company.

J. W. Cliff has joined the MacGregor Valve Company as production manager in St. Louis after five years as shop superintendent manufacturing Meroc-Nordstrom valves. Under his jurisdiction the MacGregor Valve Company is having machines installed for quantity production of MacGregor rotary valves, a development in the lubricated valve field.

Boiler Tube Company's Purchase.

The Boiler Tube Company of America, Pittsburgh, Pa., has purchased the assets of the Johnson-Peter Company of Pittsburgh and Brooklyn, N. Y., giving the Boiler Tube Company additional facilities in its manufacture of straight and bent tubes for all types of boilers.

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Every business enterprise that exists long enough acquires its various traditions. Whether or not they are worthy depends on the management.

Good management looks into the traditions of its organization, especially at budget-making time, and seeks to weed out those that are undesirable and thereby gain something in resources for perpetuating and strengthening those that are worth while.

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JACKSON
DALLAS
FORT WORTH
HOUSTON
SAN ANTONIO
WACO
DENVER
SAN FRANCISCO
LOS ANGELES

FINANCIAL NEWS

Bond Issues Proposed

Ark., Hatfield—School Dist. 22 voted \$20,000 bonds.

Ark., Osceola—Comms. of Grassy Lake and Tyronza Drainage Dist. 9, Mississippi County, rejected bids for \$350,000 bonds. 6-21

Ark., Poplar Bluff—Water—City considering \$225,000 bond election.

Fla., Bradenton—Manatee County Bd. of Public Instruction, B. D. Gullett, Supt., called election for Aug. 3 on \$25,000, Special Tax School Dist. 17 bonds.

Fla., Lake Placid—Town, J. E. Sims, Mgr., receives bids Aug. 2 for \$195,000 6% \$1000 denom. bonds for streets, water, lights, golf course, fire equipment.

Fla., Moore Haven—Road, Bridge—Glades County Comms., N. S. Wainwright, Clk., receives bids Aug. 6 for \$217,000 6% \$1000 denom. Special Road and Bridge Dist. 12 bonds, issue of 1926.

Fla., Starke—Bradford County, Special Tax School 2, votes July 31 on \$20,000, \$1000 denom. bonds.

Ga., Macon—School—Bibb County votes Nov. 6 on \$1,000,000 bonds.

Ky., Paducah—Light Plant—City plans voting Nov. 6 on \$800,000 bonds; W. V. Eaton, City Solicitor.

La., Alexandria—Road—Rapides Parish Police Jury, Clyde G. Durham, Sec., receives bids Aug. 14 for \$100,000, Sub-Road Dist. A, of Road Dist. 21, Ward 4 bonds.

La., Gretna—Sewer—City votes soon on \$300,000 bonds; Henry A. Mentz, Engr., Hammond.

La., Mansfield—Public Utility Improvement—Town, Mayor and Bd. of Aldermen, receive bids Aug. 14 for \$15,000 6% bonds.

La., New Orleans—Constitutional amendments providing for \$60,000,000 bond issue, will be submitted to voters at the next State-wide election; \$30,000,000, for State Highway Comm., Baton Rouge, to meet obligations on road construction contracts in excess of returns from present tax levies; \$15,000,000, for toll bridges over principal streams in State; \$15,000,000, for Orleans Levee Bd., to complete Lake Pontchartrain beach development. 7-12, 7-19

La., New Orleans—Sewerage and Water Bd., George G. Earl, Gen. Mgr., voted to issue \$4,000,000 of \$9,000,000 bonds voted last April, for drainage facilities.

La., Sulphur—Water—City voted \$60,000 bonds. 6-21

Miss., Aberdeen—Monroe County, Road Dist. 4 votes July 31 on \$35,000 bonds.

Miss., Bryant—School—City defeated \$10,000 bond issue. 7-12

Miss., Ethel—Sidewalks—City voted \$8000 bonds.

Miss., Flora—Sewer—City considering \$40,000 bond election.

Miss., Macon—Road—Noxubee County, Beat 5, voted \$30,000 bonds.

Miss., Orange Grove—Orange Grove Separate School Dist. votes July 31 on \$15,000 bonds.

Mo., Poplar Bluff—Cemetery, etc.—City considering \$25,000 bond election.

Miss., Prentiss—School—Jefferson Davis County votes Aug. 3 on \$12,000 bonds.

Miss., Starkville—Road—Oktibbeha County Bd. of Suprs., receives bids Aug. 18 for \$139,000 bonds.

Miss., Winona—School—City, W. F. Blackston, Clk., receives bids Aug. 7 for \$12,000 bonds.

Mo., Appleton City—Paving—City votes Aug. 1 on \$25,000 bonds.

Mo., Marshall—City votes Aug. 14 on \$100,000 bonds; \$35,000, to buy and maintain city parks; \$65,000, purchase ground and build assembly convention hall.

N. C., Clinton—Public Improvement—Town Comms., F. L. Turlington, Town Clk., receive bids July 30 for \$70,000 5½% \$1000 denom. bonds.

N. C., Highland—Sewer—Town, Chas. E. Hefner, Clk., receives bids Aug. 14 for \$65,000 \$1000 denom. bonds; bidders to name rate of interest; Bruce Craven, Atty., Trinity.

Okla., Ardmore—School—City voted \$125,000 bonds; John R. Dexter, Pres. School Bd.

Okla., Cushing—Independent School Dist. 67 voted \$30,000 bonds, will sell bonds. 7-12

Okla., Erick—Water—City considering bond election.

Okla., Konawa—School—City voted \$90,000 bonds.

Okla., Oklahoma City—Street—City plans bond election.

Okla., Woodward—Woodward School Dist. voted \$118,000 bonds.

Tenn., Bolivar—Road—Hardeman County Quarterly Court receives bids July 31 for \$500,000 4½% coupon bonds. 6-28

Tenn., Camden—City votes July 30 on \$93,000 bonds; \$37,000, water; \$56,000, sewer.

Tenn., Kingsport—Improvement—City, F. L. Cloud, Mayor, receives bids Aug. 7 for \$74,000 5% bonds.

Tenn., Memphis—City considering \$1,600,000 bond issue to erect grain elevator and extend railroad facilities at city's river terminals.

Tenn., Sevierville—Road—Sevier County Court receives bids Aug. 4 for \$233,000 bonds. 7-12

Tex., Amarillo—City may vote \$200,000 underpass and viaduct bonds.

Tex., Ballinger—Runnels County Comms., considering \$525,000 bond election; \$47,000, retire outstanding bonds; \$478,000, roads.

Tex., Big Spring—Road—Howard County considering bond election in near future.

Tex., Brownsville—Drainage—La Feria Irrigation Dist., Cameron County, contemplates bond election for system of drainage by wells and concreting canals of irrigation system.

Tex., Columbus—Road—Colorado County, E. B. Mays, Judge, plans bond election.

Tex., Corpus Christi—Bayfront Improvement—City, P. G. Lovenskiold, Mayor, plans bond election.

Tex., Cotulla—School—City voted \$20,000 bonds.

Tex., Edinburg—Road—Hidalgo County, Pharr-San Juan Dist., voted \$1,000,000 bonds. 6-21

Tex., El Campo—Street—City, H. E. Otell, Sec., voted \$75,000 bonds; receives bids Aug. 6 for 5% bonds. 5-3

Tex., Hempstead—Road—Waller County plans \$230,000 bond issue. 7-19

Tex., Houston—Paving, etc.—City, W. A. Moore, Sec., considering bond issue.

Tex., Houston—Oates Prairie School Dist. votes July 28 on \$16,000 5% bonds; H. L. Washburn, Auditor, for school district.

Tex., Levelland—City votes July 30 on \$30,000 5½% bonds.

Tex., Liberty—Liberty Common School Dist. voted \$14,000 bonds.

Tex., Meridian—Road—Bosque County, B. F. Word, Judge, voted \$60,000 bonds; \$40,000, Road Dist. 10; \$20,000, Road Dist. 9. 7-5

Tex., Paducah—City voted \$42,500 bonds for city hall and street paving. 6-28

Tex., Palestine—City plans \$75,000 bond election; \$14,000, paying indebtedness; \$15,000, purchase right of way; \$5000, city's share to widen Ave. A; \$12,500, school; \$5000, ravine drainage; \$10,000, right of way for highway; \$12,500, other improvements.

Tex., San Augustine—Paving—City voted \$40,000 bonds. 7-12

Tex., San Antonio—Improvement—City, C. M. Chambers, Mayor, considering advertising again for bids for \$4,755,000 bonds. 6-21

Tex., Westhoff—School—City voted \$21,000 bonds.

Tex., Waxahachie—Road—Ellis County Comms., Court, H. R. Stovall, Judge, may call election Aug. 25 in Red Oak Dist. 6 on \$190,000 bonds.

Tex., Wichita Falls—City Council approved calling \$250,000 bond election to pay off city's indebtedness; George D. Fairtrace, Mgr.

W. Va., Clarksburg—Courthouse—Harrison County votes Aug. 6 on \$750,000 bonds.

W. Va., Clarksburg—Bridge—City, D. H. Hamrick, Clk., receives bids Aug. 7 for \$60,000 4½% bonds.

Bond Issues Sold

Ark., Fayetteville—Sewer, etc.—City sold \$100,000 6% bonds; \$33,500, to First Natl. Bank; \$33,500, to Arkansas Natl. Bank; \$33,000, McIlroy Banking Co., all Fayetteville.

Ark., Hoxie—Indebtedness—City, John S.

Gibson, sold \$10,000 6% bonds to M. W. Elkins & Co., Little Rock, 96. 7-19

Fla., St. Augustine—Refunding—City sold \$1,157,000 5½% bonds to A. T. Bell & Co., Toledo, Ohio, 101.01.

Fla., West Palm Beach—Refunding—Palm Beach County Comms. sold \$67,000 bonds to Central Farmers Trust Co., 98 and accrued interest.

Ga., Zenith—Bd. of Trustees Zenith Consolidated School Dist., C. L. Shepard, Atty., Fort Valley, sold \$15,000 5% coupon bonds to Hibernia Securities Co., Inc., Atlanta. 6-28

Ky., Bowling Green—School—Bd. of Education, Wyatt W. Williams, Sec., sold \$90,000 4½% \$1000 denom. bonds to Bowling Green Trust Co., \$2.087 premium. 7-5

Miss., Columbus—Lowndes County Bd. of Suprs. sold \$10,000 5½% \$500 denom. Piney Grove School Dist. bonds to Whitney Central Bank of New Orleans, La., \$75 premium and expenses. 7-12

Miss., Hattiesburg—Library—City, B. D. Moore, Mayor, sold \$75,000 5% bonds to Citizens Bank of Hattiesburg, par, accrued interest and \$850 premium. 7-12

Miss., Jackson—City sold \$177,000 5% bonds to A. K. Tigrett & Co., Memphis, Merchants Bank & Trust Co., Capitol Natl. Bank, and Jackson State Natl. Bank, all Jackson.

Miss., Liberty—Amite County Bd. of Suprs. sold \$75,000 5½% \$500 denom. Liberty Consolidated School Dist. bonds to First Natl. Bank, Memphis, Tenn., par, expenses and accrued interest. 7-12

N. C., Boone—School Funding—Watauga County Comms., R. T. Greer Chmn., sold \$40,000 4½% \$1000 denom. bonds to W. K. Terry & Co., Toledo, Ohio, par and accrued interest. 7-5

N. C., Statesville—School—City sold \$75,000 4½% bonds to Stranahan, Harris & Oatis, Inc., Toledo, Ohio, \$52 premium.

N. C., West Hickory—R. Sta. Hickory—Street, Water—City, Frank Hammond, Clk., sold \$20,000 5½% coupon bonds to Magnus & Co., Cincinnati, Ohio, \$326 premium. 6-28

Okla., Enid—City sold \$553,000 bonds to First National Bank, Enid, \$1501 premium; \$503,000, 4½%, improvement; \$50,000, 5%, airport. 5-31

S. C., Anderson—School—Anderson County Bd. of Trustees, School Dist. 17 sold \$105,000 4½% \$1000 denom. bonds to Benjamin Dansard & Co., Detroit, Mich., \$283 premium and accrued interest. 7-12

Tex., Angleton—Brazoria County sold \$45,000 6% West Columbia Independent School Dist. 6 bonds to Garrett & Co., Inc., Dallas.

Tex., Dallas—Dallas County sold \$65,000 Coppel Consolidated School Dist. bonds to Garrett & Co., Inc., Dallas.

Tex., Paducah—H. C. Burt & Co., Houston, purchased \$42,500 5% bonds for city hall and street paving. 6-28

Va., Martinsville—Refunding—Town, A. S. Gravely, Clk., sold \$70,000 5% \$1000 denom. bonds to Old Dominion Fire Insurance Co., Roanoke, Va.

W. Va., Hinton—Street, Bridge—City sold \$160,000 5% \$1000 denom. coupon bonds to Poor & Co., Cincinnati, Ohio, 105. 6-7

New Financial Corporations

La., New Orleans—Panama Finance and Securities Co., Inc., capital \$20,000, chartered; Junius J. Boudreaux, Pres., 2422 Valence St.

Mo., Monett—Monett Securities Co., incorporated; Charles O. Millsap, Henry W. Fly, F. W. Lawson.

Mo., St. Louis—Nettle Investment Co., 1865 S. Twelfth St., capital \$30,000, chartered; Harry Nettle.

Mo., St. Louis—Plaza-Olive Investment Co., incorporated; A. M. Frumburg, 39 Kingsbury Place.

First Natl. Bank, W. S. McKamey, Pres., purchased Farmers' Natl. Bank, A. J. Jones, Pres., all La Follette, Tex.

Farmers & Merchants Natl. Bank, W. H. Gideon, Pres., Baltimore, Md., plans organizing investment company known as Farmers & Merchants National Corp., 65,000 shares of capital stock of no par value.



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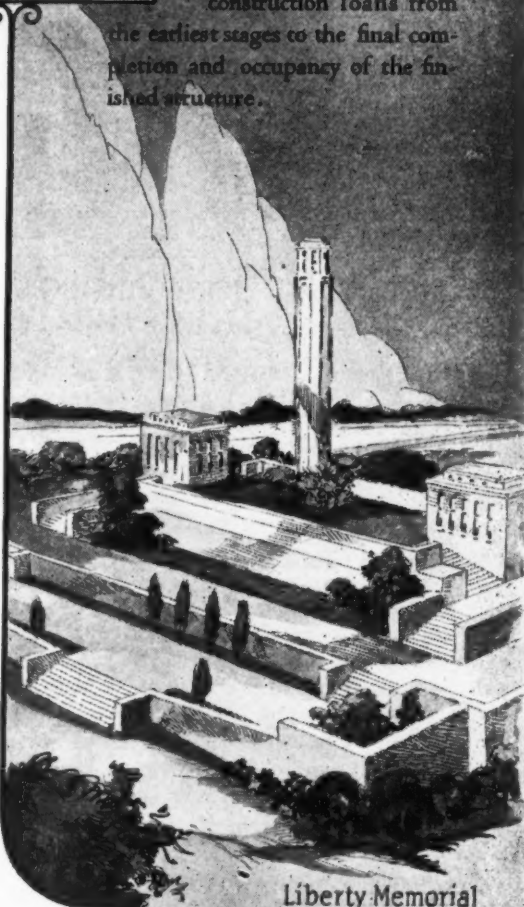
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Trade Literature

Steel Sheet Piling.—A new type of sheet steel piling recently placed on the market by the Jones & Laughlin Steel Corporation, Pittsburgh, Pa., is described in its first bulletin A, which will be followed by others. The first two sections now rolled, says the company, "show that the lock is the same for both sections, the thickness of the metal is constant three-eighths inch and the great beam strength is obtained with a minimum amount of material." The six sections planned will have these features: Universal interlock; uniform thickness of metal; minimum weight for strength; great saving in weight.

Atlantic Bridge Company.—Much information appropriate to the present political campaign is presented in attractive form, in the shape of a wall hanger, by the Atlantic Bridge Company, Greensboro, N. C. On a heavy sheet, approximately 22 by 16 inches, are pictured in colors the executive office of the President in the White House, the Capitol at Washington and an exterior view of the White House, while likenesses of all the Presidents make up the margin. The present candidates for President and Vice-President are pictured and the electoral and popular votes for 1920-24 are given.

Paint Spraying.—Several circulars issued by the Spray-Lac Manufacturing Company, Chicago, successor to the Mellish-Hayward Company, describe Spray-Lac products for every purpose of paint and lacquer spraying, such as containers, the Big Boy pneu-gun, the Mel-Rock spray booth of the four-operator, bench type and the Paintair brush machine and pneu-gun.

Violet-Ray Snubber.—Hornac, "the Violet-Ray Snubber for Outside Painting," is described in a pamphlet issued by the A. C. Horn Company, Long Island City, N. Y., as an absorbent of the ultra-violet rays and a preservative of the original luster. It is said to assure durability of outside paint.

Pine Lath.—In bulletin No. 2 of the committee on production and refinement the Southern Pine Association, New Orleans, treats of "Southern pine lath as a money-maker" and tells "how to make lath pay." The suggestions are offered particularly to men in charge of lath manufacture.

Vapor Indicator.—With the legend, "Everything for Mine and Industrial Safety," the Mine Safety Appliances Company, Pittsburgh, Pa., has issued a bulletin covering the F-M flammable vapor indicator, which is applicable without special calibration for the different hydro-carbon gases, alcohols, ethers, etc., either alone or in combination.

Georgia.—Wood pulp and paper possibilities in Georgia are discussed by Austin Cary of the United States Forest Service in the Georgia Forestry number of "Georgia," published by the Georgia Association. "The Commercial Value of Slash Pines in Georgia" and other interesting articles also appear in this issue.

Wire Rope Slings.—Latest information on various types of wire rope slings now used in shop and field for handling heavy loads with safety is given in a revision catalog, "Roebbling Wire Rope Slings," by the John A. Roebbling's Sons Company, Trenton, N. J. Many illustrations, plans and tables covering various products are presented.

Lumber.—"Information on Lumber and Where to Find It" is a new publication by the National Lumber Manufacturers' Association, Washington, D. C., in line with its information and other services to the trade and those dealing with it. There is given a list of about 300 publications dealing with various phases of the lumber industry and the uses of its products, including home building.

Iron Plates.—"Pure iron plates for long service," as described in a booklet of the American Rolling Mill Company, Middletown, Ohio, now are furnished by that concern in any commercial size and thickness for water supply and other engineering projects involving the use of light, medium or heavy plates. The Armco ingot iron, a great rust-resisting material, is discussed at length in the booklet.

Oxweld.—The oxwelding and cutting equipment catalogue of the Oxweld Acetylene Company, New York, Chicago and San Francisco, describes in detail and in illustrations its products for welding, cutting, brazing, lead burning, heating and decarbonizing. A portable welding and cutting unit, oxweld blowpipes, heating blowpipe and welding and heating heads and tips are a few of the articles shown.

Drains and Traps.—As issued by the Josam Manufacturing Company, Cleveland, Ohio, catalog G of that company describes in word and picture, with specifications and prices, many of its products, including double drainage shower or floor combined drain and trap, combination closet fittings and bends, stone sink drains and other drains and traps for floors, toilets, garages, swimming pools, hospitals and buildings in which drains and traps are used.

\$14,000,000 FOR TWO VIRGINIA POWER PROJECTS.

Developments Planned on Roanoke River to Produce Total of 130,000 Horsepower.

Clarksville, Va.—The development of two big hydro-electric projects on the Roanoke River, between this city and Roanoke Rapids, N. C., as recently announced, will involve an expenditure of approximately \$14,000,000 and provide for the production of 130,000 horsepower of electrical energy. The Roanoke River Power Company was recently authorized by the Federal Power Commission to develop a \$10,000,000 project at Bugg's Island, 20 miles from Clarksville, for the production of 80,000 horsepower. Approximately 15,000 acres of land have been purchased at a cost of \$1,000,000, over which water will be backed to Clarksville by a 55-foot dam and storage provided for 5,000,000,000 cubic feet of water. Plans for the project have been prepared by Viele, Blackwell & Buck, of New York, and it is understood the company is ready to begin work. Construction of the dam and powerhouse will require from 10 to 18 months.

The Virginia-Carolina Power Co., said to be a subsidiary of the Virginia Electric and Power Co., Richmond, has applied to the Federal Power Commission for authority to construct a 35-foot, reinforced concrete dam and steel and concrete powerhouse near the mouth of Polar Creek at the Virginia-Carolina line, for the production of 50,000 horsepower. This project will be known as the Boyd's Mill development and is estimated to cost \$3,900,000. The dam will back water upstream for a distance of 20 miles to Bugg's Island, flooding an area of 6000 acres of land, which have been acquired by the company. It is understood that Viele, Blackwell & Buck are engineers for this project also.

Bids Soon Invited on Washington School.

Washington, D. C.—Plans have been completed for the new E. A. Paul junior high school to be erected in the block bounded by Nicholson, Peabody, Eighth and Ninth streets and Concord avenue northwest, and construction bids will soon be invited. The building will cover an area of 27,213 square feet of a site containing 115,200 square feet, the remainder of the space to be used for playgrounds and landscaping. The structure will be four stories, fireproof, and will contain 40 classrooms, lunch room and auditorium with stage and gallery. A. L. Harris is the municipal architect.

Additional Sub-Contractors on \$800,000 Building.

In addition to sub-contractors on the new \$800,000 building recently completed in Beaumont, Texas, for the American National Bank, and described in the MANUFACTURERS RECORD of July 5, the following contracts were awarded:

Annex to building—Herman Weber, Beaumont.
Bookkeeping desks—E. Szafr & Son, Beaumont.
Fans—Thompson-Lockhart Electric Company, Beaumont.
Furniture, carpets and blinds—Ryder Furniture & Carpet Company, Beaumont.
Hardware—Norvell-Wilder Hardware Company, Beaumont.
Sand, gravel, cement, brick and roof—Beaumont Builders Supply Company.
Smokestack—John Dollinger, Jr., Inc., Beaumont.
Vault equipment—York Safe and Lock Company, York, Pa.

The building is 12 stories, 100 by 75 feet, of reinforced concrete, steel, stone and brick construction. James Ruskin Bailey, Houston, was the architect, and the Central Contracting Company, Dallas, general contractor.

Clinton, N. C., F. L. Turlington, clerk, receives bids July 30 for \$70,000 5¼ per cent public improvement bonds.

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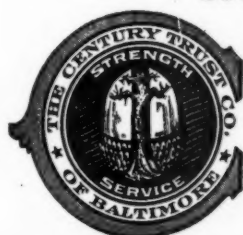
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An Advertisement for Bell Long Distance Telephone Service

A NEW YORK raw silk salesman had to go to the hospital for 10 days. His illness was minor, but the loss of time was serious. He secured a room with a telephone. Throughout his convalescence, he kept informed of the course of the market. Sent and received his cables by telephone. Kept in constant touch with office and customers. Sold more than \$200,000 worth of silk.

A Milwaukee dry goods salesman was forced to cancel his regular trip because of a broken leg. From his sick-room, he covered in 5 days by telephone the same territory that took 5 to 6 weeks of traveling. And he gathered in 90% of his usual business.

Held up by road conditions, a tire salesman had to abandon a certain trip in southern Nebraska. He went to the telephone office and covered his territory by Long Distance. Sold, \$1280 worth of tires; charges, \$6.20.

In emergencies and in the regular day's work, hundreds of concerns are using Long Distance to get things done and to increase profits.

You will be surprised how little the calls now cost. New station to station day rates are: Los Angeles to New York, \$8.75. Dallas to Chicago, \$3.25. Baltimore to Philadelphia, 70c. . . . Calling by number takes less time. *Number, please?*





PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close August 1, 1928.

U. S. ENGINEER OFFICE, Galveston, Tex. Sealed proposals will be received here until 12 M. August 1, 1928, and then opened, for dredging Houston Ship Channel, Texas. Further information on application.

Bids close August 15, 1928.

U. S. ENGINEER OFFICE, Galveston, Tex. Sealed proposals will be received here until 12 M. August 15, 1928, and then opened, for dredging Channel between Aransas Pass and Corpus Christi, Texas. Further information on application.

Bids close August 7, 1928.

\$60,000 6% Notes

Fort Pierce, Fla.

The Board of County Commissioners of St. Lucie County, Florida, will open sealed bids at Fort Pierce, Florida, at 2 o'clock P. M. August 7, 1928, for sale of \$60,000 6% Coupon Road and Bridge Negotiable Notes, dated August 1, 1928, maturing serially each year from 1930 to 1949.

For circular with full information address P. C. Eldred, Clerk Board of County Commissioners, Fort Pierce, Florida.

Bids close August 1, 1928.

\$62,441 6% Drainage Bonds

Greenville, N. C.

The Board of Drainage Commissioners of PITT COUNTY DRAINAGE DISTRICT NO. 1 will, on August 1, Wednesday, 1928, at 12 o'clock noon, receive sealed proposals for the purchase of \$62,441 of bonds of PITT COUNTY DRAINAGE DISTRICT NO. 1. These bonds are issued pursuant to the laws of the State of North Carolina and constitute a first lien on 11,684 acres in Pitt County, which lien is subject only to State and county taxes. These bonds bear interest at the rate of six per cent per annum, payable semi-annually; are serial, payable in ten equal annual installments, beginning July 1, 1931, in denominations of \$1000, the place of payment to be agreed on. No bid less than par and accrued interest will be accepted. These belong in class of "improvement district bonds."

For further information address W. G. Sheppard, Farmville, N. C., or F. M. Wooten, Greenville, N. C.

This July 10th, 1928.

BOARD OF DRAINAGE COMMISSIONERS OF PITT COUNTY DRAINAGE DISTRICT NO. 1.

By JNO. T. THORNE,
Chairman.

Bids close August 14, 1928.

\$65,000 Sewer Bonds

Highland (P. O. Hickory), N. C.

Proposals will be received by Town of Highland, North Carolina, at 7 P. M. August 14, 1928, for the purchase of \$65,000 of Sewer Bonds of said municipality, dated August 1, 1928, and maturing on said day and month in each year as follows: \$1000, 1931 to 1935, both inclusive; \$2000, 1936 to 1965, both inclusive.

Interest payable semi-annually, both principal and interest payable in the City of New York; denominations of \$1000 each, bidders to name the interest rate.

All bids must be on forms furnished by the undersigned, and each bid must be accompanied by a certified check upon an incorporated bank or trust company, payable to order of undersigned official, or a sum of money for or in an amount equal to two per centum of face amount of bonds paid for, to secure the municipality against any loss resulting from failure of bidder to comply with terms of his bid.

CHAS. E. HEFNER, Clerk.
BRUCE CRAVEN, Attorney,
Trinity, N. C.

(Highland is in Catawba County adjoining City of Hickory. Assessed \$1,765,000. Total debt \$151,000. Net debt \$107,266.58. Population 2250.)

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send

Copy by mail to reach us by 4 P. M.

Monday, forward by day letter.

THE DAILY BULLETIN OF THE

MANUFACTURERS RECORD:

Published every business day; gives

information about the industrial, commercial and financial activities of the

South and Southwest.

The Daily Bulletin can be used to

advantage when copy cannot reach

us in time for publication in the

Manufacturers Record before bids are

to be opened, or when daily publica-

tions are necessary to meet legal

requirements.

The same rate applies—35 cents per

line per insertion.

Bids close August 7, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 17, 1928.—SEALED BIDS will be opened in this office at 2 P. M. August 7, 1928, for constructing a new retaining wall and concrete gutters at the Federal Industrial Institution for Women, Alderson, W. Va. Drawings and specifications may be obtained from the construction engineer at the institution or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Notice of Cancellation Request for Proposals Red River Bridge at Coushatta

Baton Rouge, La., July 14, 1928.

Notice is hereby given by the Louisiana Highway Commission that they have cancelled the request for proposals for the franchise right to construct a bridge across the Red River at or near Coushatta, Louisiana, proposals for which were to have been received on July 31, 1928, and that proposals for this bridge will not be received as stated in advertisements published.

J. M. FOURMY,

State Highway Engineer.

J. M. NUGENT, Acting Chairman
LOUISIANA HIGHWAY COMMISSION.

Bids close July 31, 1928.

Reinforced Concrete Bridge

Hinton, West Virginia.

Sealed bids for the construction of a structural steel and reinforced concrete bridge over the Chesapeake & Ohio Railway at Hinton, W. Va., will be received at the City Hall, City of Hinton, at 8 o'clock P. M., July 31, 1928. Plans may be secured at the Office of the City Manager, City of Hinton, or from J. E. Settle, Consulting Engineer, Charleston, W. Va., with necessary proposal blanks and other information, after July 18, upon payment of \$10.00.

Certified check in the amount of \$4,000.00, payable to the City of Hinton, shall accompany each bid. Successful bidder will be required to execute the contracts and furnish a surety bond in a sum equal to 50% of the amount of the contract.

The City Council reserves the right to reject any or all bids, or waive any informalities in the bids received or to accept any bids they believe to be to the best interests of the City.

Contractors may submit alternate plans for consideration, but such plans must be complete as to details.

(Signed) HUME K. NOLAN,
City Manager.

Notice of Cancellation Request for Proposals Mississippi River Bridge at Baton Rouge

Baton Rouge, La., July 14, 1928.

Notice is hereby given by the Louisiana Highway Commission that they have cancelled the request for proposals for the franchise right to construct a bridge across the Mississippi River at Baton Rouge, Louisiana, proposals for which were to have been received on July 31, 1928, and that proposals for this bridge will not be received as stated in advertisements published.

J. M. FOURMY,

State Highway Engineer.

J. M. NUGENT, Acting Chairman
LOUISIANA HIGHWAY COMMISSION.

Bids close July 31, 1928.

Reinforced Concrete Bridges

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building bridges as follows:

Frederick County, Cont. F-101—Triple-span reinforced concrete arch bridge over Catocin Creek on the Jefferson Pike between Jefferson and Knoxville.

Allegany County, Cont. A-54—Double-span reinforced concrete girder bridge over Georges Creek, south of Lonaconing near Pekin, on the road from Lonaconing to Westernport, Station 525.

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 31st day of July, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 16th day of July, 1928.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close August 7, 1928.

Road Construction and Material

Bastrop, La.

The Police Jury of Morehouse Parish will receive bids up to 2 P. M. Tuesday, August 7, at Bastrop, Louisiana, and at that time and place publicly open and read, proposals for construction and materials for the construction of a 2½-mile extension to the Shelton Highway, beginning at Shelton at the Frost Lumber Industry's plant and extending northward approximately along the present public road.

Also for the furnishing of approximately 2000 yards of washed gravel or, as an alternate, 3000 yards of sand-clay gravel for said construction.

Information governing manner of submitting proposals, terms of payment and proposal blanks for submitting bids on the above work may be secured upon application at the Parish Engineer's office at Bastrop, Louisiana. A certified check in the amount of 5% of the amount bid must accompany each proposal and a surety bond in the amount of 50% of the total amount bid will be required when contract is awarded.

J. LESTER WHITE,
Parish Engineer.

J. W. BRODNAX,
President Police Jury.

Bids close August 14, 1928.

Bridge Construction

Baton Rouge, La.

Sealed proposals will be received by the Louisiana Highway Commission at their office in the Raymond Building, Baton Rouge, Louisiana, up to 11 o'clock A. M.

TUESDAY, AUGUST 14, 1928,

at which time and place they will be publicly opened, for the construction of:

The Chef Menteur and Rigolets bridge superstructures and protection fenders, twenty-two and thirty miles, respectively, northeast of New Orleans, Louisiana, on the Chef Menteur Highway, Orleans and St. Tammany Parishes, Federal Aid Project 201, Section "D," Unit No. 2, and Section "F," Unit No. 2.

The work contemplated consists of furnishing all materials, labor, equipment, etc., necessary to build the steel superstructures, creosoted timber protection fenders for pivot piers and rest piers and asphaltic wearing surface on the steel superstructures and approaches. The Chef Menteur bridge superstructure will consist of two 250-ft. steel fixed spans and one 270-ft. steel swing span, all with concrete floor slabs. The following approximate quantities are involved in the Chef Menteur Bridge:

1,330,000 Pounds Fabricated Structural Steel.
66,500 Pounds Deformed Reinforcing Steel.
390 Cubic Yards Concrete in Floor Slab.
2,000 Square Yards Asphalt Wearing Surface.
62,000 Feet Board Measure Creosoted Lumber in Fenders.
31,000 Lineal Feet Creosoted Piling in Fenders.
Operating Machinery for Swing Span, lump sum.
Power Equipment for Swing Span, lump sum.
Operator's House for Swing Span, lump sum.

The Rigolets Bridge will consist of three 400-ft. steel fixed spans and one 400-ft. steel swing span, all with concrete floor slabs. The following approximate quantities are involved:

4,300,000 Pounds Fabricated Structural Steel.
137,000 Pounds Deformed Reinforcing Steel.
800 Cubic Yards Concrete in Floor Slabs.
7,700 Square Yards Asphalt Wearing Surface.
69,000 Feet Board Measure Creosoted Lumber in Fenders.
30,000 Lineal Feet Creosoted Piling in Fenders.
Operating Machinery for Swing Span, lump sum.
Power Equipment for Swing Span, lump sum.
Operator's House for Swing Span, lump sum.

Separate bids will be received, contracts executed and bonds required for each of the above described bridges, but a combination bid may be submitted covering work on both bridges, and if contract is awarded on this basis the work will be separated into two contracts and bond required for each.

Information as to the location, character of work, extent and class of material, terms of payment, regulations governing manner of submitting proposals and executing contract may, on application, be obtained at the office of the Louisiana Highway Commission, Raymond Building, Baton Rouge, Louisiana. Plans and specifications may be inspected at the office of the Commission in Baton Rouge, or will be furnished upon receipt of \$5.00 for Chef Menteur Bridge, \$5.00 for Rigolets Bridge or \$8.00 for both bridges as payment therefor, not to be refunded. Each bid shall be submitted on a form furnished by the Commission and shall be placed, together with the proposal guaranty, in a sealed envelope so marked as to indicate its contents without being opened. This envelope shall then be placed in another, which shall be sealed and addressed to the LOUISIANA HIGHWAY COMMISSION, REYMOND BUILDING, BATON ROUGE, LOUISIANA.

J. M. FOURMY,

State Highway Engineer.

P. M. ATKINS, Chairman

Louisiana Highway Commission.

Bids close August 13, 1928.

Concrete Curb and Gutters

Easton, Md.

Sealed proposals will be received at 1.30 o'clock P. M. on the thirteenth day of August by the Mayor and Council of Easton, Md., for the construction of about 4200 lineal feet of Concrete Curb and Gutters.

Proposal blanks, contract and specifications may be obtained from the Town Clerk or Town Engineer. A certified check for \$100 (One Hundred Dollars) must accompany each bid. The right is reserved to reject any or all bids.

RICHARD GOLDSBOROUGH,

E. G. KASTENHUBER, JR., Town Clerk.
Town Engineer.

Bids close July 30, 1928.

Road Improvements

Greenville, S. C., July 10, 1928.

Bids will be received by the Greenville County Highway Commission, Greenville, S. C., until 11 A. M. July 30, 1928, for Top Soiling and Surface Treatment of approximately 106 miles of cross-country roads.

Work consists of scarifying, resoling, shaping and placing approximately 104,000 Cu. Yds. of Top Soil and 1,122,000 Sq. Yds. of Bituminous Double Surface Treatment.

Each bid to be accompanied by a certified check for 5 per cent of the total bid. The right is reserved to reject any or all bids.

Proposals and Specifications may be obtained from the Engineers upon deposit of \$5.00.

DALTON & NEVES, Engineers.

Cleveland Building.

Greenville, S. C.

B. F. RUSH,
Chairman of Commission.

Bids close August 10, 1928.

Roads and Bridges

Nashville, Tenn.

Sealed bids will be received by the State of Tennessee, Department of Highways and Public Works, at their offices in the Memorial Building, Nashville, at 10 A. M. Friday, August 10, 1928, and opened publicly at that hour, for the construction of the following projects:

COUNTY PROJECT NO. 1, LAUDERDALE COUNTY—Grading and drainage of 10,000 miles of COUNTY Highway between Ripley and a point near Edith.

S. B. P. NO. 10, MEIGS COUNTY—The construction of a concrete and steel bridge over the Hiwassee River on State Highway No. 58 between Georgetown and Decatur.

PROJECT NO. 75-B, DAVIDSON COUNTY—Construction of 0.906 miles of pavement on State Highway No. 1 between Nine Mile Hill and N. C. & St. L. Overhead. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 93-B, RUTHERFORD COUNTY—The construction of a concrete overhead and approaches over the N. C. & St. L. Railway near Murfreesboro on State Highway No. 10.

PROJECT NO. 108-B-C, FRANKLIN COUNTY—Construction of bituminous surface treatment on 10,000 miles of State Highway No. 16 between Winchester and Cowan and Winchester and Decherd.

PROJECT NO. 147-B, CARROLL COUNTY—Grading and drainage of 13.494 miles of State Highway No. 76 between Atwood and McKenzie. Bids for six steel and treated timber bridges will be received separately.

PROJECT NO. 170-C, MARION COUNTY—Grading and drainage of 3.780 miles of State Highway No. 2 between Pin Hook and Jasper.

PROJECT NO. 209-A, CUMBERLAND COUNTY—The construction of two concrete bridges on State Highway No. 1 between Ozone and West.

PROJECT NO. 315-C, DECATUR COUNTY—Grading and drainage of 4.559 miles of State Highway No. 69 between Decaturville and Parsons. Bids for one bridge over 20-foot span will be received separately.

PROJECT NO. 322-A, 323-A, 509-A, McMINN AND MONROE COUNTIES—Construction of surface treatment on 27,200 miles of State Highway No. 33 between Etowah and Little Tenn. River.

PROJECT NO. 330-A, OBION COUNTY—Construction of 6.202 miles of pavement on State Highway No. 22 between Union

City and the Weakley County line. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 331-A, WEAKLEY COUNTY—Construction of 5.549 miles of pavement on State Highway No. 22 between the Obion County line and Martin. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 331-B, WEAKLEY COUNTY—Construction of 8.449 miles of pavement on State Highway No. 22 between Martin and Dresden. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 333-A-C, WARREN COUNTY—Construction of bituminous surface treatment on 12,000 miles of State Highway No. 56 between McMinnville and the Grundy County line.

PROJECT NO. 356-A, HAMILTON COUNTY—Construction of 1.127 miles of pavement on State Highway No. 2 between Chattanooga and Lookout Mountain. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 369-C, LEWIS COUNTY—The construction of a concrete substructure for a bridge over Trace Creek on State Highway No. 48.

PROJECT NO. 375-C, MONTGOMERY COUNTY—The construction of a concrete and steel bridge over West Fork Red River on State Highway No. 12 at Ringgold.

PROJECT NO. 379-D, JEFFERSON COUNTY—Grading and drainage of 11.343 miles of State Highway No. 9 between a point near the Sevier County line and Dandridge. Four bridges over 20-foot span will be included with the roadway contract.

PROJECT NO. 379-E, COCKE COUNTY—Grading and drainage of 7.603 miles of State Highway No. 9 between Newport and the end of F.A.P. No. 23. Two bridges over 20-foot span will be included with the roadway contract.

PROJECT NO. 381-C, DAVIDSON COUNTY—The construction of two concrete bridges on State Highway No. 6 between Nashville and Williamson County line.

PROJECT NO. 382-B, MONTGOMERY-ROBERTSON COUNTIES—Grading and drainage of 7.085 miles of State Highway No. 11 between Guthrie and Adams.

PROJECT NO. 383-B, GILES COUNTY—Grading and drainage of 12.879 miles of State Highway No. 15 between Pulaski and the Lincoln County line. Bids for ten bridges over 20-foot span will be received separately.

PROJECT NO. 399-B, BRADLEY COUNTY—Construction of bituminous surface treatment on 10,200 miles of State Highway No. 60 between Cleveland and the Polk County line.

PROJECT NO. 505-A, DICKSON COUNTY—Grading and drainage of 7.016 miles of State Highway No. 48 between Dickson and Charlotte.

PROJECT NO. 506-A, HAMILTON COUNTY—Grading and drainage of 6.085 miles of State Highway between Chattanooga and Silverdale. Two bridges over 20-foot span will be included with the roadway contract.

PROJECT NO. 508-A, HICKMAN COUNTY—Grading and drainage of 5.810 miles of State Highway between Wrigley and a point near the Williamson County line.

PROJECT NO. 510-A, CUMBERLAND COUNTY—Construction of surface treatment on 7,000 miles of State Highway No. 1 between Ozone and the Roane County line.

PROJECT NO. 511-A, BLEDSOE COUNTY—Construction of bituminous treatment on 15,000 miles of State Highway No. 28 between Pikesville and the Cumberland County line.

PROJECT NO. 512-A, RUTHERFORD COUNTY—Grading and drainage of 3.250 miles of Highway between State Highway No. 1, near Smyrna, and the Jefferson Pike.

PROJECT NO. 513-A, DICKSON COUNTY—The construction of a concrete bridge over Piney Creek on State Highway No. 48 south of Dickson.

Bidder's bond on the form furnished with the proposal from a surety acceptable to this Department or certified check, made payable to this Department, in the amount of not less than five per cent (5%) of the total bid must accompany the bid as evidence of good faith and as guarantee that, if awarded the contract, the bidder will execute and give bond as required.

Plans are furnished at cost, with no refund. Standard Specifications are furnished at a charge of \$1.00, with no refund. Proposals are furnished free of charge.

The right to reject any or all bids is reserved.

HARRY S. BERRY,
Commissioner.

Bids close July 31, 1928.

State HighwaysDEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION**NOTICE TO CONTRACTORS**

Baltimore, Md.

SEALED PROPOSALS for building four sections of State Highway as follows:
Frederick County, Cont. F-112—One section of State Highway between Libertytown and Central School House, a distance of 1.0 mile. (Concrete.)

Montgomery County, Cont. M-99—One section of State Highway from Darnestown toward Seneca for a distance of 2.0 miles. (Concrete.)

Calvert County, Cont. C-20—One section of State Highway from Mutual toward Mackall for a distance of 2.5 miles. (Gravel.)

Montgomery County, Cont. M-115—One section of State Highway along Wisconsin Avenue and the Old Georgetown Road at Bethesda, a distance of 1.0 mile. (Concrete Shoulders and Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 31st day of July, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 16th day of July, 1928.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close August 6, 1928.

Street Improvements

Barnesville, Georgia.

Sealed proposals will be received by the Mayor and Council of the City of Barnesville at the City Hall in Barnesville, Ga., until 1 P. M. August 6, 1928, for grading, draining and paving Thomaston Street and a portion of Forsyth Street, in the City of Barnesville, Georgia.

The work will include approximately 3000 cubic yards of excavation, 15,000 square yards plain concrete pavement, 8000 feet of concrete curbs and the construction of the necessary drainage work.

Each proposal must be accompanied by a certified check, payable to the City of Barnesville, Georgia, in an amount equal to five (5%) per cent of the bid as a guarantee that the contract will be entered into if awarded. A bond of one hundred (100%) per cent of the contract price will be required as provided in the Act of the General Assembly of Georgia, entitled "Contractors of Public Work Bonded," approved August 19, 1916, and a further bond is required equal in amount to twenty-five (25%) per cent of the contract cost for the maintenance of the good condition of such improvements for a period of five (5) years from the completion of the work.

Plans and specifications are on file at the office of the City Clerk of Barnesville, Ga., and with Wiedeman & Singleton, Engineers, 1404 Candler Building, Atlanta, Georgia. Bidders may obtain copies of the specifications from the Engineers by enclosing check for ten (\$10) dollars, payable to the City of Barnesville. Blueprints may be had at the cost of printing. If specifications are returned within thirty days after opening date, the check for ten dollars will be returned.

The sealed proposals submitted will be opened and considered by the Mayor and Council of the City of Barnesville at the City Hall in said city on August 6, 1928, at 1 P. M.

E. L. COOK,

Clerk and Treasurer of the
City of Barnesville.

Bids close August 6, 1928.

Sewers and Appurtenances

Towson, Md., July 16, 1928.

Sealed proposals addressed to the County Commissioners of Baltimore County and endorsed bids for excavation for and laying of sewers and appurtenances in the vicinity of "ARBUTUS" and "HALETHORPE," Contract 12-S, will be received at their office in the Court House, Towson, Md., until 11 A. M., Eastern standard time, on August 6, 1928, next, when they will be publicly opened and read.

**APPROXIMATE QUANTITIES
SECTION NO. 2, HERBERT RUN SEWER
CONTRACT NO. 12-S**

812 Lin. Ft. 6-inch T.C. House Connections.

700 Lin. Ft. 8-inch T.C. Sewer.

56 Lin. Ft. 16-inch C.I. Sewer.

443 Lin. Ft. 18-inch T.C. Sewer.

254 Lin. Ft. 20-inch T.C. Sewer.

353 Lin. Ft. 22-inch T.C. Sewer.

1337 Lin. Ft. 24-inch T.C. Sewer.

705 Lin. Ft. 27-inch T.C. Sewer.

4640 Lin. Ft. 30-inch T.C. Sewer.

38 Lin. Ft. 30-inch Brick and Concrete Sewer.

1030 Lin. Ft. 33-inch T.C. Sewer.

393 Lin. Ft. Brick Manholes.

5000 Cubic Yards Rock Excavation.

All bids must be signed and alternate bids separately totaled in the spaces provided. Each bid must be accompanied by a certified check for Five Thousand (\$5000) Dollars, payable to the County Commissioners of Baltimore County, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a Surety Company satisfactory to the Commissioners will be required of the successful bidder. A copy of the Specifications, Plans and Drawings will be furnished prospective bidders upon receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District within ten (10) days after the opening of the bids and award of the contract. No specifications or drawings will be issued after August 3, 1928, next. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after July 25, 1928.

Consideration will be given bidder's experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work of the kind specified, without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or proposals or bids that contain items exceedingly high or low, or to accept any proposal or bid, or to waive technicalities as they may deem best for the interest of the county.

BY ORDER OF THE BOARD.

JOHN R. HAUT,
Chief Clerk.
A. E. WALDEN,
Chief Engineer.

Bids close August 14, 1928.

Well Drilling

River Junction, Fla.

Sealed proposals on blank forms, furnished by the town, addressed to the "MAYOR AND COUNCIL, RIVER JUNCTION, FLORIDA," will be received at the Town Hall in River Junction, Florida, until 7.30 o'clock P. M. August 14, 1928, for furnishing all material, equipment and labor necessary for the drilling and completion of one or more deep wells. Bids will be considered on wells ranging in size from fourteen (14) down to six (6) inches in diameter.

Each bid shall be accompanied by a certified or cashier's check in the sum of not less than two hundred and fifty (\$250) dollars, made payable to W. L. Shepard, President, Town Council, as evidence of good faith upon the part of the bidder.

Specifications may be seen at the offices of the Town Clerk and the Engineers, and may be obtained from the Engineers upon payment of one dollar to cover cost of reproduction.

The right is reserved to reject any or all bids.

TOWN OF RIVER JUNCTION, FLORIDA.
B. F. BARNES, Mayor.
B. T. HUNT, Clerk.H. S. JAUDON ENGINEERING CO.,
Engineers,
Leesburg, Florida.

Bids close August 6, 1928.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 13, 1928.—SEALED BIDS will be opened in this office at 2 p. m., August 6, 1928, for partitions, etc., on the 4th and 5th floors of the Liberty Loan Building, Washington, D. C. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close August 15, 1928.

Water-Works Improvements

Providence, Kentucky.

Sealed bids for improvements to the water works at Providence, Kentucky, will be received by the Mayor and Board of Council at the City Hall until 1 P. M. August 15, 1928, at which time and place they will be publicly opened and read.

The work to be done comprises the construction of a reservoir, together with connection to the existing main. Bids are asked on three alternate projects, viz:

A. A rectangular covered concrete reservoir of 450,000-gal. capacity.

B. A steel standpipe of 300,000-gal. capacity.

C. An elevated steel tank of 200,000-gal. capacity.

For alternates B and C, separate contracts are provided for superstructure and substructure.

Plans and specifications may be examined at the office of the City Clerk at Providence or at the office of the Engineer, or a copy may be obtained from the Engineer upon receipt of a deposit of \$10, of which amount \$5 will be refunded when plans and specifications are returned in good condition. For alternate A only, or alternates B and C only, the required deposit is \$5, with \$2.50 refund. For further information address the Engineer.

The right is reserved to reject any or all bids; to waive informalities, and to accept whichever alternate appears to the best interests of the city.

Each bid must be accompanied by a valid certified check or Bidder's Bond, made payable to the City of Providence, for a sum not less than 5% of the bid. Successful bidders will be required to furnish performance bond in the sum of 50% of the contract price. Contractors will be paid in cash, monthly, on the basis of 90% of the value of work done and materials furnished.

FRED CASNER, Mayor.

C. N. HARRUB, Engineer,
705 Fourth and First National Bank
Building,
Nashville, Tenn.

Bids close August 1, 1928.

Supplies, Tools and EquipmentDEPARTMENT OF EDUCATION
OFFICE OF THE
BOARD OF SCHOOL COMMISSIONERS
MADISON AND LAFAYETTE AVENUES

Baltimore, July 18, 1928.

Sealed Proposals, in duplicate, addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Md., until 11 o'clock A. M. Wednesday, August 1, 1928, endorsed as follows:

"Proposals for Furnishing Supplies, Tools and Equipment for Several Schools for the Department of Education."

Specifications for the above may be obtained at the office of the Director of Business Management, School Board, Madison and Lafayette Avenues, Baltimore, Md.

Each bid must be accompanied by a certified check of the bidder for \$50, made payable to the Mayor and City Council of Baltimore, and drawn on a clearing-house bank, and to comply with the City Charter respecting contracts.

The Board of Awards reserves the right to reject any or all bids.

JOSHUA R. JOLLY,

Acting Secretary Board of
School Commissioners.

Approved July 18, 1928.

WILLIAM F. BROENING,
President Board of Awards.

Bids close August 10, 1928.

New Supply Mains WATER DISTRIBUTION DIVISION Dallas, Texas.

Sealed bids or proposals addressed to the Mayor and Board of City Commissioners of the City of Dallas, Texas, and endorsed "Proposal for Cast-Iron Pipe," "Proposal for Concrete Pressure Pipe" or "Proposal for Steel Pipe," as the case may be, will be received at the office of the City Secretary until 10 A. M. August 10, 1928, and then publicly opened and read, for the furnishing and laying of pipe lines, together with appurtenances, in the following amounts:

- 52,460 linear feet of 36-inch for 300-foot head.
- 21,300 linear feet of 36-inch for 200-foot head.
- 3,000 linear feet of 30-inch for 300-foot head.
- 21,990 linear feet of 30-inch for 200-foot head.
- 3,300 linear feet of 24-inch for 300-foot head.
- 6,900 linear feet of 24-inch for 200-foot head.
- 3,600 linear feet of 18-inch for 200-foot head.
- 2,500 linear feet of 16-inch for 200-foot head.

This material and laying of lines shall be done in accordance with plans and specifications on file with J. R. John, Engineer of Water Department, copy of which may be obtained on deposit of a cashier's check of \$25; this check will be returned on return of plans and specifications.

Bids to be received on all lines covered by these plans and specifications as follows:

1—Bids will be received separately for furnishing material used in construction of the lines.

2—Bids will be received separately for taking of material from the yards designated by the City of Dallas and constructing line.

3—Bids will be received for furnishing all material and constructing lines according to the above-mentioned plans and specifications.

With each bid there shall be submitted a cashier's check on any State or National bank of the City of Dallas in the amount of 5% of the total sum bid, made payable to the Mayor of the City of Dallas, said check to be returned in accordance with specifications.

The city reserves the right to reject any or all bids.

M. G. JAMES, City Secretary.

Bids close August 10, 1928.

Gate Valves

Dallas, Texas.

Sealed bids will be received in the office of the undersigned until 10 A. M. August 10, 1928, for furnishing the City of Dallas with the following:

- Five 16-inch Gate Valves, vertically operated, without by-pass or gearing.
- Two 18-inch Gate Valves, vertically operated, without by-pass or gearing.
- Five 24-inch Gate Valves, horizontally operated, with by-pass and bevel gear.
- Eight 30-inch Gate Valves, horizontally operated, with by-pass and bevel gear.
- Sixteen 36-inch Gate Valves, horizontally operated, with by-pass and bevel gear.
- Two 36-inch Gate Valves, vertically operated, hydraulic control.

All valves shall be subjected to a hydrostatic test of three hundred pounds at the factory and guaranteed for a working pressure of one hundred and fifty pounds. They shall be iron body, bronze mounted, double gate and made in strict conformity to the latest specifications of the American Water Works Association.

Bidders will be required to furnish with their bids detail drawings, specifications and weights of the valves they propose to furnish. Any bid shall be considered informal that does not include these data. Bidders will also be required to furnish satisfactory evidence that they have had the necessary experience in the manufacture of high-grade water-works gate valves; also that they have sufficient capital and equipment available to insure prompt construction and delivery. Proposals will be received for standard hub-end valves only for sizes 16-inch to 24-inch, inclusive; for 30-inch and 36-inch valves proposals are required for standard flange connections as an alternate. All prices quoted are to be f. o. b. cars, Dallas, Texas.

The Mayor and Board of Commissioners reserve the right to reject any or all proposals, to waive any informality, to accept any proposal, whether lowest or not, other than the low bidder's proposal, considered most advantageous to the city. No contract shall be entered into until executed by the Mayor and approved by the Board of Commissioners, according to specifications and plans and such additional terms and conditions as may be provided by the Board of Commissioners.

Envelopes must be marked "Bids on Gate Valves."

M. G. JAMES, City Secretary.

Bids close August 2, 1928.

Power-Plant Equipment

Rocky Mount, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Rocky Mount, N. C., until 8 P. M. August 2, 1928, for furnishing, delivering and erecting certain Power-Plant Equipment, enumerated as follows, at or in the Municipal Power Plant of said city:

One (1) 5000 K.W. at 80% P.F., 6250 K.W. at 100% P.F. Turbo-Generator unit, with direct connected exciter, together with all appurtenances and accessories specified.

One (1) Turbo-Generator Air Cooler.

One (1) Surface Condenser for the 5000 K.W. Turbine, complete with one Motor-driven Condensing Water Circulating Pump; duplicate Dry Vacuum Pumps; one Motor-driven Hot Well Pump; one Steam Turbine-driven Hot Well Pump; Inter and After Condenser and appurtenant equipment; one automatic, Atmospheric Exhaust Relief Valve.

Proposals must be marked "PROPOSAL FOR POWER-PLANT EQUIPMENT." All proposals must be made upon blank forms provided in each copy of the Proposal, Contract and Specifications.

Each proposal must be accompanied by a certified check in the amount of five (5%) per cent of the amount of the proposal, but in no case for a less amount than Two Hundred Fifty (\$250) Dollars, as evidence of good faith.

Copies of Proposal Forms, including Specifications, Form of Contract, etc., may be obtained upon application to the City Purchasing Agent.

The right is reserved to reject any or all bids or to award contract or contracts which, in the opinion of the Engineers and the Board, appear to be for the best interests of the City of Rocky Mount.

CITY OF ROCKY MOUNT.

JOHN INNES, Purchasing Agent.

WILLIAM C. OLSEN, INC.,

Engineers,

Raleigh, North Carolina.

L. L. GRAVELLY, Mayor;

R. C. BRAKE, Chairman,

Public Works Committee.

H. G. OTIS, City Manager.

CLASSIFIED OPPORTUNITIES

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

WANTED—COPPER SULPHIDE
Deposit or mine near transportation. Send analysis and estimate of ore body. Address No. 6939, care of Manufacturers Record, Baltimore, Md.

TIMBER AND TIMBER LAND
FIVE THOUSAND ACRES land bordering on railroad. Good growth young timber. Fine hunting preserve. Price \$8 per acre. BOX 106, GREELEYVILLE, S. C.

TIMBER BARGAIN
9000 acres oak timber, four miles from B. & O. Railroad. Tract will average 6000 per acre. Real bargain for quick sale, price \$6.00 per acre in fee. For complete description write, NORMAN W. BURGESS, Realtor, Lexington, Va.

FOR SALE—2322 acres of hardwood timber, \$5 per acre for all the timber. Three years to remove. Joins railroad, near Sherwood, Tenn. I. F. McLEAN & CO., Nashville, Tenn.

FOR SALE—Timber on 1000-acre tract in Maryland, near Washington, D. C. Can be shipped by railroad or water. Suitable for tea, pulp wood, building lumber and some walnut. If interested apply to COLUMBIA SAND AND GRAVEL CO., 3036 K Street N. W., Washington, D. C.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

LIMESTONE DEPOSITS

FOR SALE
TWO DEPOSITS
OF LIMESTONE
IN NORTHWEST FLORIDA
Both large tonnage and high grade. Railroad runs through one and no great distance from other. Should interest Cement Manufacturers. Address
S. D. CRENSHAW,
P. O. Box 667, Richmond, Va.

FARM, FRUIT AND TRUCK LANDS

ARKANSAS
1800 ACRES, within 6 miles of Monticello, County Seat of Drew County, Arkansas, in one of the most prosperous and progressive communities in Arkansas. Half of this acreage is free from stumps and ready for immediate cultivation. The remainder is woodland. There is quite a lot of fine merchantable timber, consisting of oak and hickory. Well served with good highways and all neighborhood conveniences. Close railroad facilities. Soil is very fertile. No waste land. This land is easily worth \$50 per acre. A very attractive price will be made for spot cash. Title perfect. Write
D. W. WATSON,
1183 Broad Street, Newark, N. J.

FARM, FRUIT AND TRUCK LANDS

ARKANSAS

2200 ACRES in Jefferson County, Arkansas, between Little Rock, the State Capital, and Pine Bluff, on the famous "Dollar" hard-surfaced highway. The Missouri Pacific railroad runs through the acreage. Large timber has been taken off, but there is almost enough merchantable timber remaining to pay for the land. Ideal for subdivision into small farms suitable for truck, poultry, dairying, fruit and hogs. Good soil that will produce abundantly; 95% tillable; no rock or waste land. Will make very attractive spot cash price for quick sale. Title perfect. Write D. W. WATSON, 1183 Broad Street, Newark, N. J.

FLORIDA

RICH, PRODUCTIVE SOIL, in a community of prosperous farms. Large or small acreage units. Prices and terms attractive. For full details address
WEST DAYTONA DEVELOPMENT CO.,
Owners of Craig Farms,
P. O. Box 614,
Daytona Beach, Fla.

NOW IS THE TIME to buy good land cheap. All conditions indicate an upward tendency in prices. Citrus groves, acreage and timber lands are now steadily increasing in value in Florida. If interested in making paying investment, I solicit correspondence. G. O. Denham, Realtor, Bartow, Fla.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

SUMMERTIME IS BARGAIN TIME

Yes, the Slump is Over, but no advance in prices. Send today for free Special Summer Bargain list of Groves; also Farms, Homes and Investments. We have better values today, we believe, than we have had in our more than 15 years in business. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice "Since Before the War," Tampa, Florida.

LOUISIANA

50,000 ACRES; practically all in one body; above all menace of overflow from any direction; splendid agricultural land and 95% of the entire acreage is cultivable; very favorable oil and gas territory; there is large production from 9 to 12 miles east of the acreage; the Nacotash oil sand is under this acreage at a depth of from 2000 to 2200 feet from the surface, making it deep enough for heavy production, but not too deep for economical drilling.

An offer of \$25,000 has been made for the remaining merchantable timber on the acreage; responsible parties have offered to lease the acreage for oil and gas for a term of five years and pay a bonus of \$1 per acre per year, and in addition thereto will pay a royalty of 12½% of all oil produced on the acreage.

This is a magnificent opportunity either for straight investment, with evident assurance of an advance in value of the acreage; for colonization purposes, for a large ranch, and particularly can it be effectively used as the nucleus for the promotion of a strong oil company.

The price is \$7.50 per acre cash, as is; at this price the land is almost a gift; the title is perfect and incontestable; this acreage is located in Evangeline and Allen parishes, Louisiana, in Townships 2, 3, 4 and 5 south, and Range 2 and 3 west; will sell in blocks of 10,000 acres or more.

For more accurate information concerning the acreage interested parties may address

D. W. WATSON,
1183 Broad Street, Newark, N. J.
Phone Terrace 6366.

MISSISSIPPI

FOR SALE—12 farms, with improvements (aggregating 1600 acres), suitable for any Southern grown crops; dairying, too; terms to suit purchasers; Northeast Mississippi. T. M. HARRIS, Houlika, Miss.

NORTH CAROLINA

FOR SALE—Ten farms, with improvements (aggregating 2800 acres), suitable for tobacco, cotton, peanuts, corn and other crops. Terms to suit purchasers; 350 acres suitable for nursery or stock farm. La Fayette Life Insurance Co., Lumberton, N. C.

If Interested

FOR HOME OR FOR INVESTMENT
In the great and rapidly developing
STATE OF NORTH CAROLINA,
especially in its leading city, Charlotte, or
in a Southern Cotton Mill or Southern Mill
Stocks, write to

F. C. ABBOTT & CO.,
Realtors and Investment Bankers
Nearly thirty years in Charlotte.

TENNESSEE

FARM—560 ACRES, 9 miles from this city, on fine pike road, fertile soil, lays well, natural blue grass land, well watered, good improvements. Splendidly adapted for large dairy or general farming. \$35,000, on reasonable terms. KEITH WEBB & SON, 217 First National Bank Bldg., Chattanooga, Tenn.

VIRGINIA

FARM FOR SALE—64 acres, well fenced, suitable for poultry, hogs and dairy; artesian water, good house and buildings, near Rappahannock River. E. R. BISSEX, Dunsville, Essex County, Va.

BARGAINS IN FARMS; catalog free; fine climate and soil, low taxes. Hotel site, with famous mineral waters, at sacrifice. Old Belt Realty Co., Chase City, Va.

BUSINESS OPPORTUNITIES

BUSINESS OPPORTUNITY WANTED—Interest in or entire purchase of small manufacturing business or distributing proposition by a young man of experience and character. Offer must bear strict investigation and merit. Reply, giving details.

BOX 1364.

Station A, Chattanooga, Tenn.

ALABAMA—For sale, hotel site in the best city in the South. Conditions here are fine and no depression to be found; a city with a wonderful future. Full co-operation by the citizens in filling a public need. Over \$2,000,000 spent in the last year in industrial and city improvements, with an annual payroll of better than \$1,500,000. Don't miss this one. Write or wire

C. D. CARTER,
Russellville, Ala.

FOR SALE—Going concern having offices in New York City and Boston, Mass., manufacturing a very high-grade line of Children's Playground Equipment, Toys, etc., with established trade in the largest department stores in the country. A money maker from the start; only reason for selling the broken health of owner. An unusual opportunity for a young man with ambition and business ability. The present owner will retain a silent interest with the right man if desired. Will stand fullest investigation. Address Box No. 625, Orlando, Florida.

IS YOUR BUSINESS as profitable as you think it should be? A business manager who has been connected with three very large manufacturing companies in an executive capacity for the last twenty-three years will soon be ready to consider a new connection. Compensation based on a percentage of savings made and profits added. No salary or drawing account required, provided an examination of your business shows possibilities. All replies will be considered confidential. Address No. 6929, care of Manufacturers Record, Baltimore, Md.

FOR SALE—Old-established Marble and Granite business in city of 30,000. Plant equipped with air compressor, electric motors, pneumatic tools, polishing machine. Also manufacture the Pneumatic seal Concrete Burial Vault and all kinds of artificial lawn furniture. No local competition; doing nice business. Owner wants to retire and will sell business with all equipment, stock of finished and unfinished monuments and all orders on hand will take about \$8000 cash to handle without real estate. Will give long lease on building and lot at reasonable rental. If interested address P. O. Box 133, Anniston, Ala.

PUBLIC UTILITIES WANTED

HAVE CLIENTS with money to invest in public utilities, electro-power plants, waterworks systems and ice factories. Write George B. Baskerville, Cons. Engineer, 1816 Tenth Avenue, South, Birmingham, Ala.

INDUSTRIAL CHEMIST

INDUSTRIAL CHEMIST for large corporation, with well-equipped private laboratory, desires analytical and consulting work for organization that does not maintain resident chemist. Address No. 6932, care of Manufacturers Record, Baltimore, Md.

INDUSTRIAL SURVEYS

ENGINEERING REPORTS on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

TECHNICAL SERVICE COMPANY
Woolworth Building New York City

FINANCIAL

WANTED TO BORROW \$50,000 at 7%, to be paid back \$5000 yearly, with interest paid semi-annually. Secured by first mortgage on 50-ton ice and cold-storage plant and hamper factory of million hampers yearly capacity, located in growing section of Florida. Address BRONSON MFG. CO., Bronson, Florida.

INDUSTRIES WANTED

DO YOU WANT TO LOCATE in a live city—1200 population? Five thousand unemployed women within a fifteen-minute distance. Cheap power. Good roads. Will invest and give you a site. CHAMBER OF COMMERCE, Ball Ground, Ga.

CHERAW, S. C., head of navigation Pee Dee River; in sandhill peach, dewberry, grape and other agricultural activities; unlimited hydro-electric power; unexcelled climate for year-round industrial operations; offers new enterprises tax exemptions and other advantages. Particularly interested machinery, hardware, steel and kindred plants. Have excellent bleachery and winter resort sites. Cheraw Chamber of Commerce.

INDUSTRIAL PLANTS

WRITE FANTUS for factories anywhere. Wonderful values in buildings or equipped plants. Valuable industrial sites free of cost to established industries. For America's best buys, address Fantus Factory Locating Service, 139 North Clark Street, Chicago.

FACTORY SITES

FACTORY SITES and acreage in Piedmont Section. Mill locations. HUGHES T. REYNOLDS,
304 First National Bank Building,
Rome, Georgia.

FREE FACTORY SITE IN SOUTHERN CITY

An ideal factory site adjacent to railroad in Waycross, Georgia, will be given free to an old-established manufacturing enterprise which wishes a splendid location in fine distributing center for trade in Southeastern United States and Central and South American markets. No promotion purposes will be considered. Address J. S. B. MOYER, Room 210 Masonic Temple, Jacksonville, Florida.

WE HAVE FOR SALE at Charlotte, N. C., approximately ten acres of land, including railway sidings on both Seaboard Air Line and Southern Railway. On this property is a large two-story brick building suitable for manufacturing or storage warehouse, also other large frame buildings, brick office building. All main buildings sprinklered.

At Columbia, S. C., about five acres of land, with Southern Railway, Seaboard Air Line and Atlantic Coast Line Railway sidings; several large brick warehouses and mill buildings, brick office building. All buildings sprinklered.

Both of these properties are well situated within these cities and we would name low prices on same. Address

KERSHAW OIL MILL,
Kershaw, S. C.

PATENT ATTORNEYS

FREE "PATENT PARTICULARS"
Sterling Buck, over 21 years Registered Patent Attorney. Prompt and thorough services. Suite M, 629 F, Washington, D. C.

PATENTS—Booklet free. Highest references. Best results. Promptness assured. WATSON E. COLEMAN, Patent Lawyer, 724 Ninth St., N. W., Washington, D. C.

PATENTS—TRADEMARKS—COPYRIGHTS
Charlotte office convenient to South. PAUL B. EATON, Registered Patent Attorney, 406 Independence Building, Charlotte, N. C., and 903 Grant Place N. W., Washington, D. C.

SALES REPRESENTATIVES WANTED

WELL-KNOWN MANUFACTURER of centrifugal pumping machinery is desirous of obtaining live Southern representation. Only men well established in their trade and community will be considered. They must intensively cover both industrial and engineering offices and be competent to give engineering advice as well as to take orders. We are now represented in Florida, Louisiana, Kentucky, Tennessee, Maryland and Oklahoma. All other Southern States are open territory. Our line includes a wide variety of pumps for general water supply, sewage pumping, boiler feeding and heating. Address No. 6934 care Manufacturers Record, Baltimore, Md.

SALES REPRESENTATIVES WANTED

MANUFACTURERS' AGENTS WANTED. Responsible representatives wanted for a building specialty used in hospitals, hotels, etc. Address No. 6938, care of Manufacturers Record, Baltimore, Md.

AGENCIES WANTED

CLEVELAND TERRITORY desired by salesman with successful record. Only glit-edge proposition considered. Address No. 6936, care Manufacturers Record, Baltimore.

BIRMINGHAM, ALABAMA, DISTRICT. Manufacturers selling this district. We can handle your product economically on break-bulk shipments. Our warehouse is fireproof and centrally located. We know all the details of reshipping and office force competent to keep records correctly. Can also furnish any bond required. Address No. 6937, care of Manufacturers Record, Baltimore, Md.

SITUATIONS WANTED

AMBITIOUS YOUNG MAN, married, 30, wishes connection with reputable concern, manufacturing or wholesale; 12 years' experience. Executive, accounting and general office work; first-class reference. Address No. 6940, care Manufacturers Record.

CONTRACTOR'S MANAGER and Supt., age 40, married, now employed, desires change. Thoroughly experienced in estimates, subcontracts, buying and supervision of large industrial, commercial and educational buildings. Record will stand strict investigation. Address No. 6922, care of Manufacturers Record, Baltimore, Md.

LUMBERMAN, executive ability, manufacturing, wholesale and retail experience. Practical account experience buying and selling yellow pine and ability handle any proposition as manager, sales manager, purchasing agent or accountant. Energetic and reliable. Open for position of responsibility where merit counts. Address No. 6935, Manufacturers Record, Baltimore, Md.

MEN WANTED

PLASTERING CONTRACTOR wants at once a settled, reliable man capable of doing General Office Work and estimating. State salary wanted. References required. Address No. 6933, care of the Manufacturers Record, Baltimore, Md.

EXPERIENCED, energetic sales manager for well-established inspection bureau, capable of handling district offices as well as the developing of new fields for this service. Prefer age 38 to 48—reference required, which will be treated confidentially. No. 6918, care of Manufacturers Record, Baltimore.

SALESMAN WANTED—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. American Security Credit Company, General Offices, St. Louis, Mo.

WANTED—Asst. Supt. of Water Department. In addition to being general assistant to the superintendent, the assistant must be a capable bacteriologist, as the city maintains water and milk testing laboratory as a part of the water department. Applicants will please furnish complete experience record, references and salary expected. Apply to EARL WHEELER, City Manager, Daytona Beach, Florida.

IF YOU ARE OPEN to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details.

R. W. BIXBY, INC.,
103 Downtown Bldg., Buffalo, New York.

CONTRACT WORK WANTED

PLATE WORKING MACHINERY—a complete line. General and Special Machinery. Castings: Grey Iron and Semi-Steel, any size up to 40,000 lbs. Brass, Bronze and Aluminum to 10,000 lbs. COVINGTON MACHINE COMPANY, INC., Engineers Founders Machinists Covington, Va.

MACHINERY AND SUPPLIES

G.E. 40 H.P., 1200 R.P.M., 220-Volt Type MT-336 40 Degree, Slip Ring Vertical Motor, complete with controller and grids. Price \$392.50 F.O.B. Orlando, Fla., if sold at once. Stewart Electric Service Co., Orlando, Fla.

ICE-MAKING AND REFRIGERATING MACHINERY—New and rebuilt. Our prices on new Waynesboro Refrigerating Equipment and Household Electric Refrigerators very low. Buy direct from the manufacturer. All sizes. Get our prices on your requirements. GEISER MANUFACTURING COMPANY, "Department E," Waynesboro, Pa.

FOR SALE—Four 125 h.p. Brownell boilers; two 11x14 Brownell steam engines; one 4x6½ Sampson high-speed engine; 300,000 common building brick; 100,000 paving brick. The Acme Foundry & Machine Co., Collinsville, Okla.

MACHINERY AND SUPPLIES WANTED

WANTED—Used Fairbanks-Morse 40, 50 and 60 H.P.; old type horizontal gasoline or oil engines, giving condition and price in reply. HERMAN SCHAUWECKER & SONS, Parkersburg, W. Va.

WANTED—Second-hand fixtures for banking room 25'x45'. Must be right-hand. Also fireproof door for book vault. Address P. O. Box 307, Albertville, Ala.

Timber Property For Sale

Timber on 17,500 acres, estimated to be 200,000,000 feet, belonging to Hyde County Land and Lumber Company, located near Swanquarter, Hyde County, North Carolina, will be offered for sale at Swanquarter, by undersigned, under decree District Court of the United States for Eastern District of North Carolina, on

AUGUST 28th, 1928

One of best equipped plants (including 50,000 feet capacity saw mill, shops, office, houses, personal property), in eastern North Carolina.

40% N. C. pine, 25% gum, 20% tupelo, and 15% of cypress and miscellaneous hardwoods. Company owned, standard gauge railroad on property. Shipment may be made by water.

For pamphlet, description, manner and terms of sale, and all information, address:

CLARENCE E. MARTIN*Special Master Commissioner*

Peoples Trust Bldg. Martinsburg, W. Va.

Read the Classified Ads Every Week

They are constantly changing, presenting new opportunities in each issue to make or save money.

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- A purchaser for your industrial plant, building, city property, mineral, timber or farm land.

Look over the "Classified Opportunities" department, and if you do not see what you want tell our readers through an advertisement. The cost is comparatively moderate and you will be gratified with the results.

Ask for folder containing rates and further information, also a few of the many testimonials we have received from advertisers.

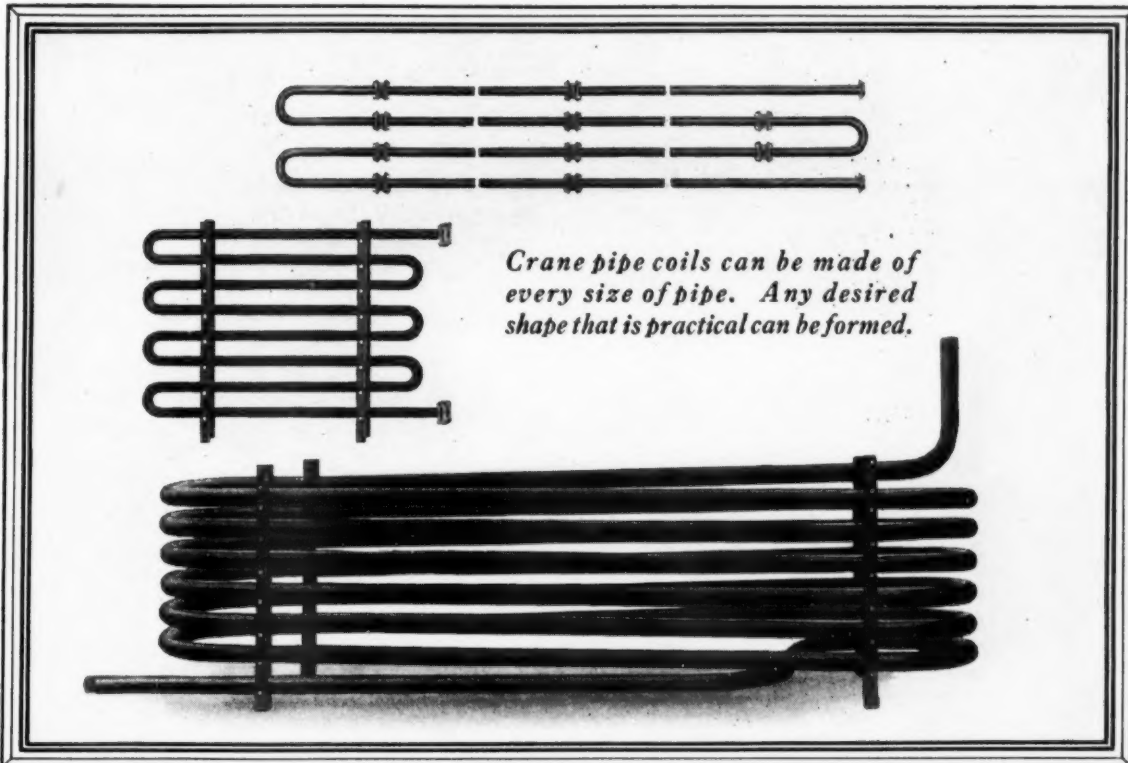
150 Pounds Pressure



CRANE VALVES



2500 Pounds Pressure



Pipe coils, and experts to help lay them out

Every year, Crane Co. sells thousands of tons of pipe coils and other fabricated piping, bent and joined in our own shops under the strictest supervision. Special machinery gives exact bends and measurements. Cranelap, Craneweld, or other joints as needed, give tight strong connections. But Crane piping service does not stop

with manufacture. To put at the disposal of all industry the 73 years of Crane experience, an advisory engineering service is maintained. If in doubt about specifications for fabricated pipe, or if you want aid in laying out any piping installation, call on this service. Let us send experts to study your needs.

CRANE

Address all inquiries to Crane Co., Chicago

GENERAL OFFICES: CRANE BUILDING, 836 S. MICHIGAN AVENUE, CHICAGO

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National Exhibit Rooms: Chicago, New York, Atlantic City, San Francisco, and Montreal

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CRANE EXPORT CORPORATION: NEW YORK, SAN FRANCISCO, MEXICO CITY, HAVANA

CRANE LIMITED: CRANE BUILDING, 1170 BEAVER HALL SQUARE, MONTREAL

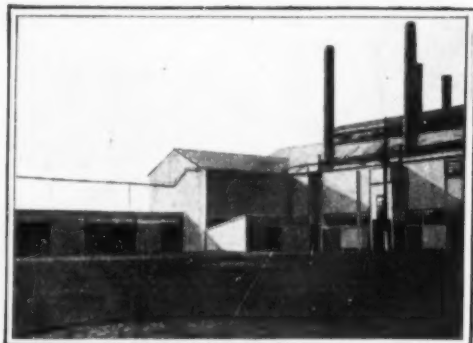
CRANE-BENNETT, LTD., LONDON

CIE CRANE: PARIS, BRUSSELS

Fuller Lehigh Products

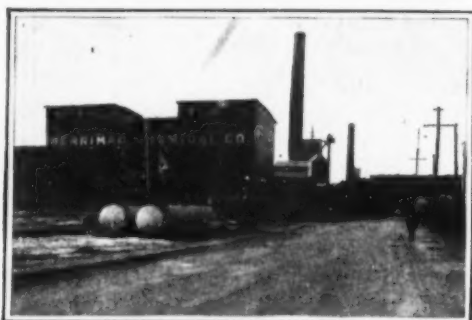
are meeting the varied demands of industry

in PULVERIZED COAL



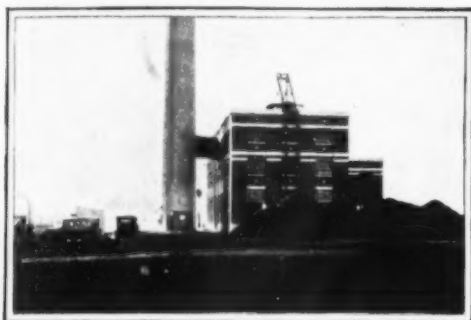
—at Central Iron and Steel Company

The Fuller Lehigh storage system of pulverized-coal firing was adopted as offering the greatest opportunity for reducing the cost of plate-mill furnace operation. Coal is pulverized in a central pulverizing plant and transported like a fluid through an outdoor uncovered pipe line exposed to all weather changes. The installation resulted in lower fuel and labor costs, greater flexibility, cleaner products, increased output per furnace, lower furnace maintenance and no ash handling problem.



—at Merrimac Chemical Company

They replaced stoker fired units with modern Fuller Lehigh direct-fired Pulverized-Coal equipment for power and process work *without alteration of the boiler-house structure or increase of space required*. Boiler efficiency has increased from 65 per cent to 80 per cent, with greater flexibility and a reduced operating force.



—at Detroit City Gas Co.

Reliability of service and flexibility of design were factors of great importance in the selection of equipment for this gas-booster station.

A novel arrangement for preheating the air supplied to the pulverizing mills enables coal having a high moisture content to be handled without appreciable loss of mill capacity.



—at Goodall Worsted Company

In December, 1926, the Goodall Worsted Company, Sanford, Maine, began firing its boilers with pulverized coal. Previous to that time, oil was used for fuel. On the basis of normal production, savings are enough to pay for the cost of installation in three years.

When the boilers were changed over, no structural changes were required to accommodate the pulverized-coal equipment.

Burning coal in pulverized form insures complete combustion, maximum efficiency, greater flexibility of operation, simplified ash removal and other advantages. May we have an opportunity to discuss your furnace and fuel problems with you?

FULLER LEHIGH COMPANY

[A Babcock & Wilcox Organization]

FULLERTON---PENNSYLVANIA

